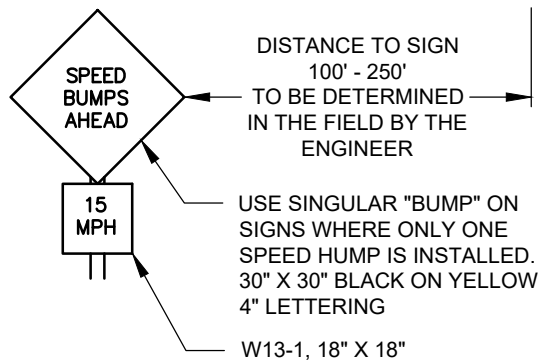
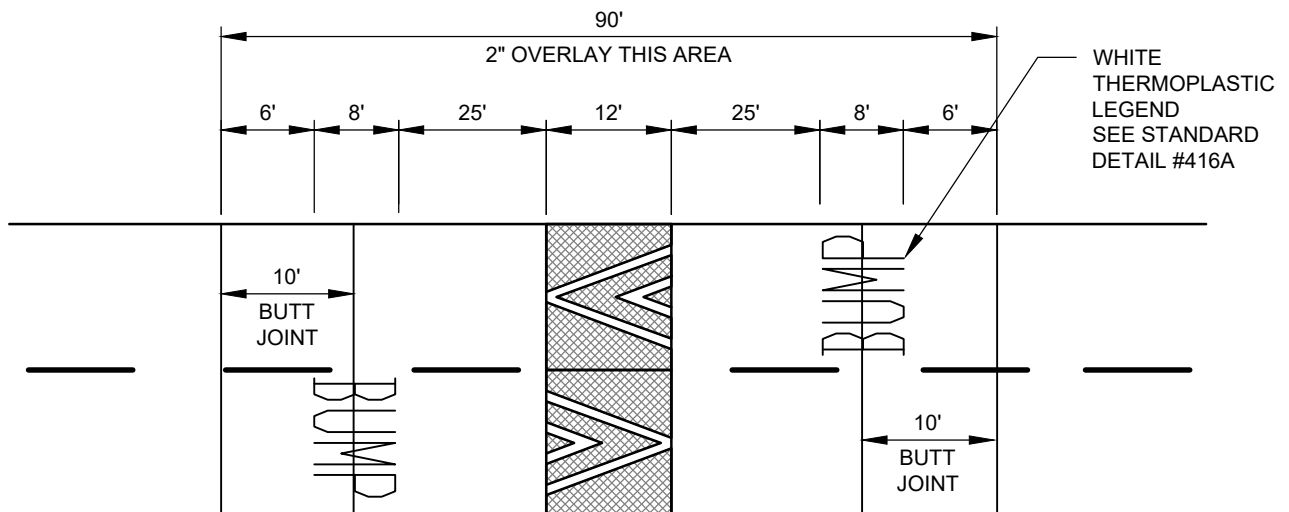
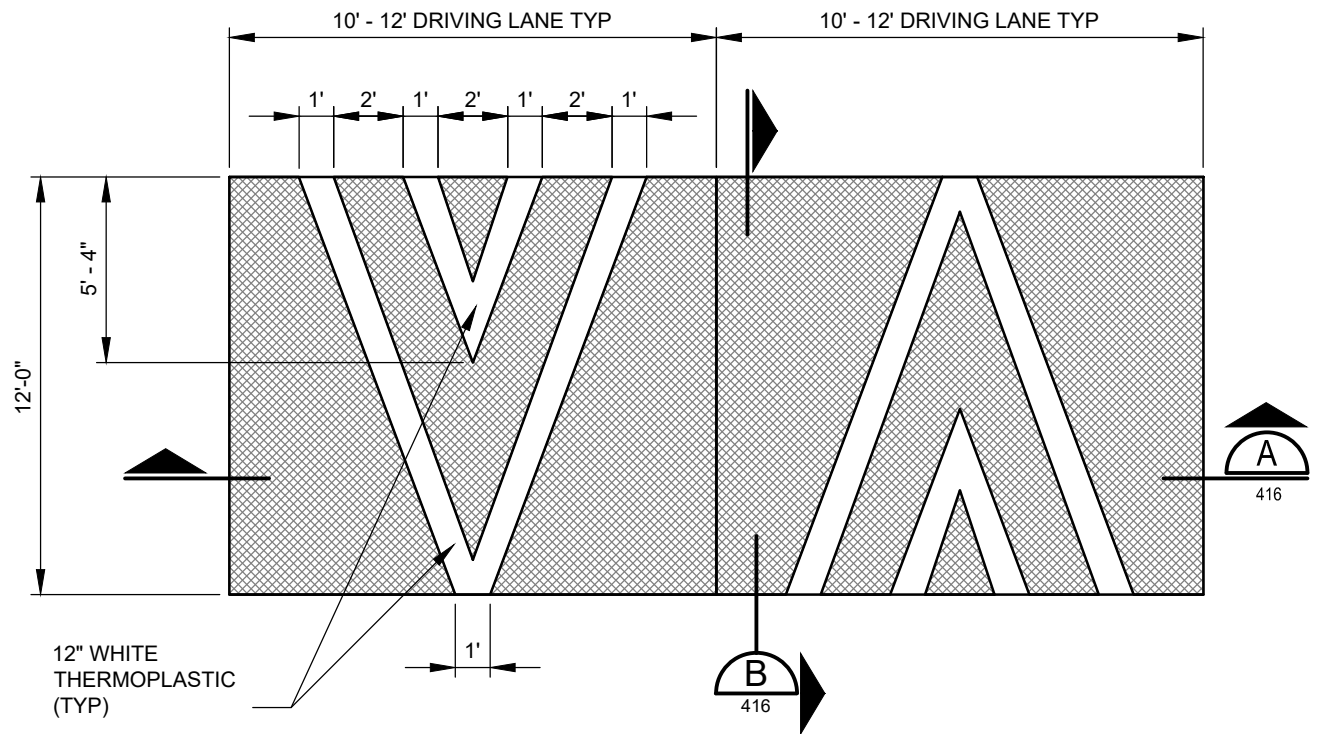


Section 4

Traffic / Transportation



NOTES:

1. SIGNS & MARKINGS TYPICAL BOTH DIRECTIONS.
2. SEE "POST MOUNTED SIGN" STANDARD DRAWING 426C OR 426D.
3. A TEMPLATE MUST BE USED IN SHAPING SPEED HUMPS.
4. SPEED HUMPS MUST BE MADE IN TWO LIFTS.
5. 2" OVERLAY NOT REQUIRED FOR NEW PAVEMENT OR EXISTING PAVEMENT DETERMINED TO BE IN GOOD CONDITION BY THE ENGINEER.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015



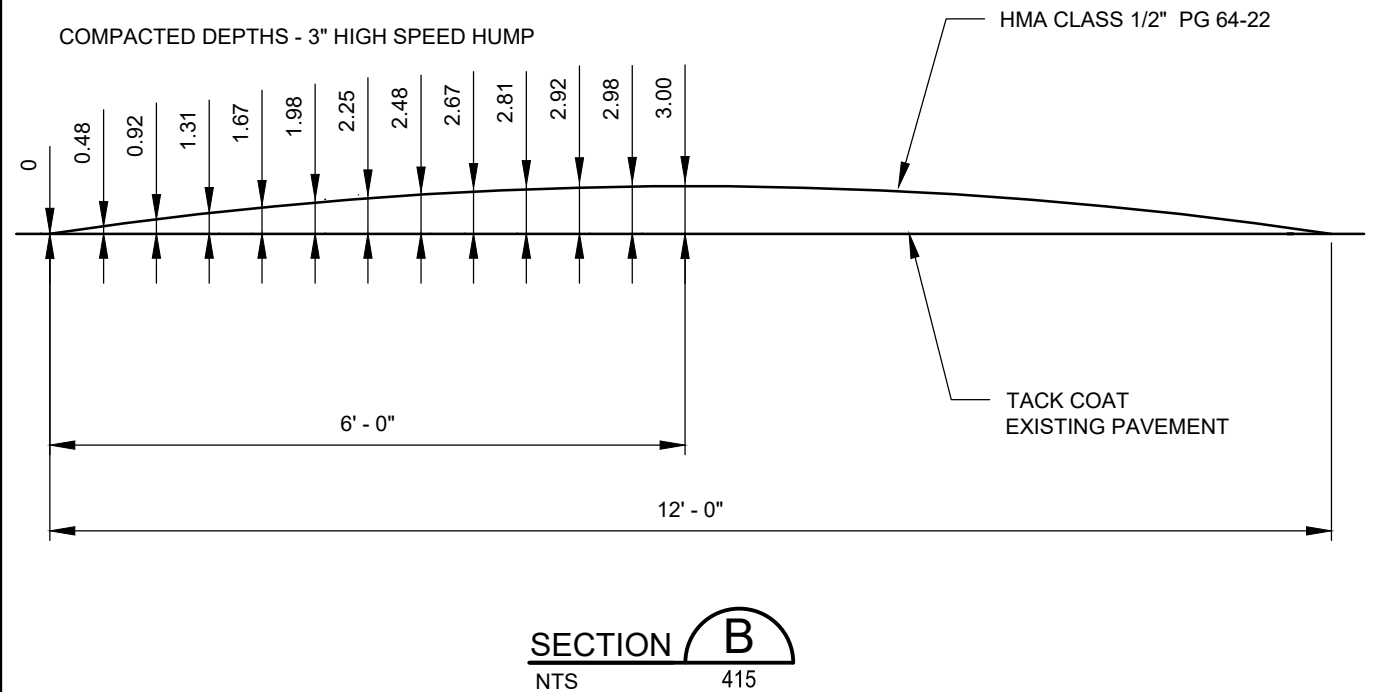
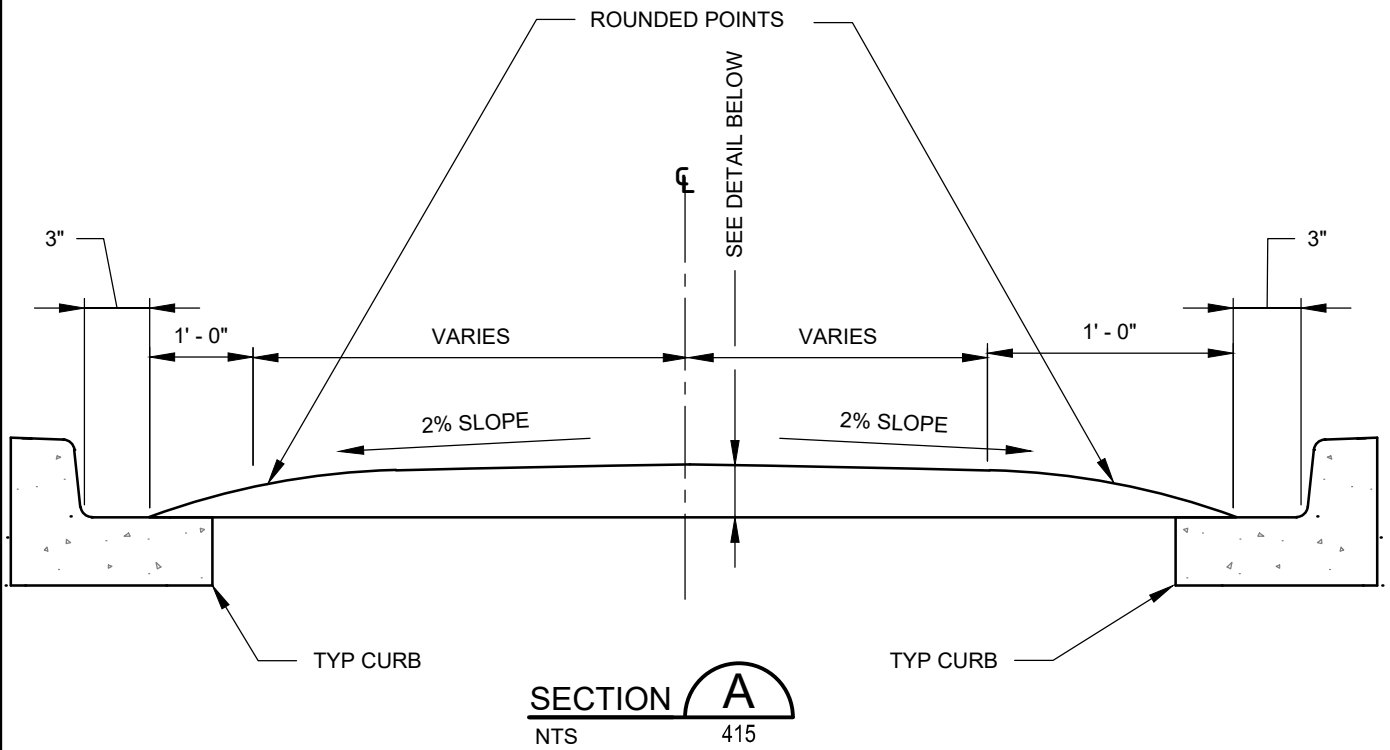
City of Redmond
WASHINGTON

STANDARD DETAILS

SPEED HUMP
(1 OF 2)

FILE NAME: SD415.DWG

DETAIL NUMBER: 415



Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: MARCH 01, 2017

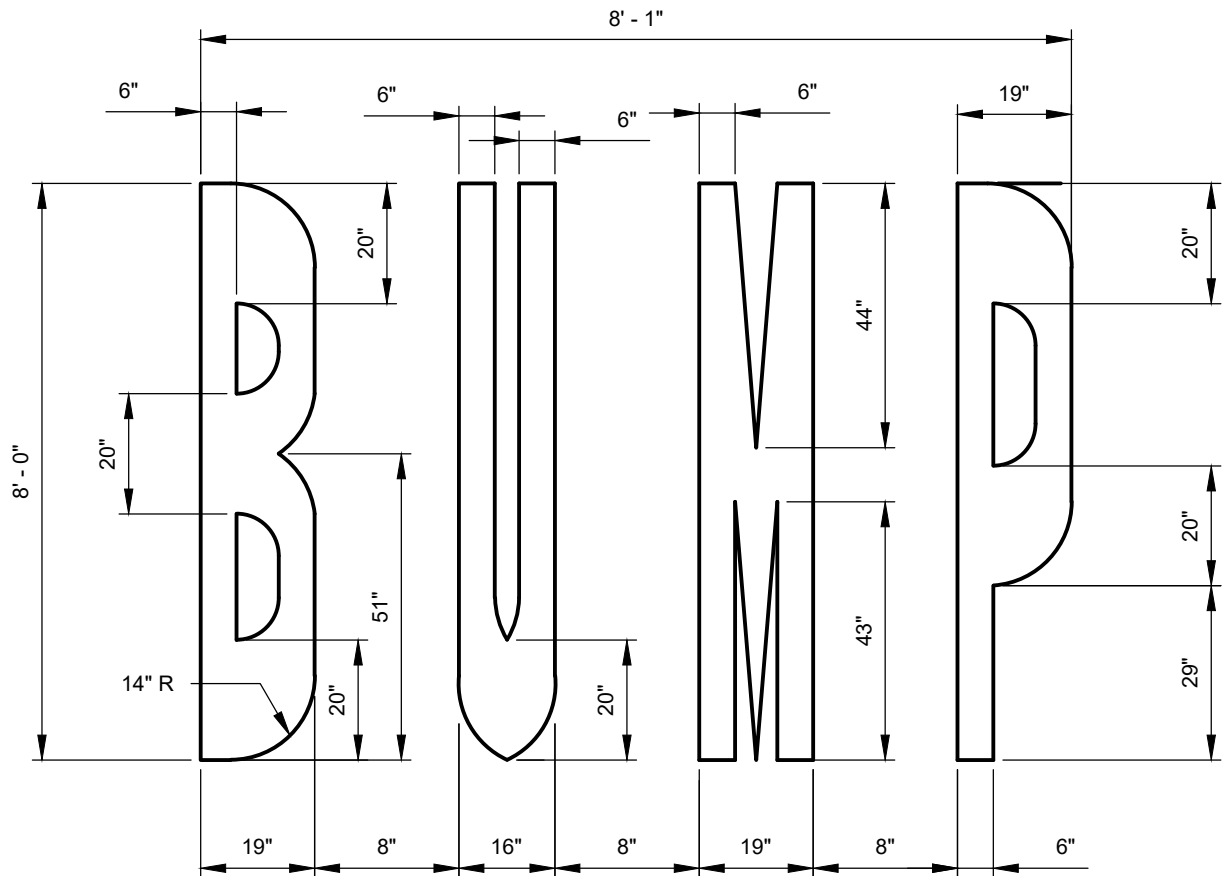


STANDARD DETAILS

SPEED HUMP (2 OF 2)

FILE NAME: SD416.DWG

DETAIL NUMBER: 416



BUMP LEGEND

NTS

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

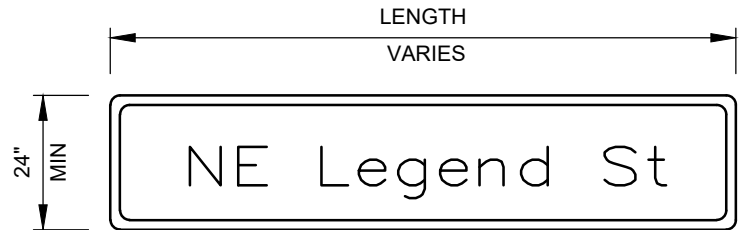
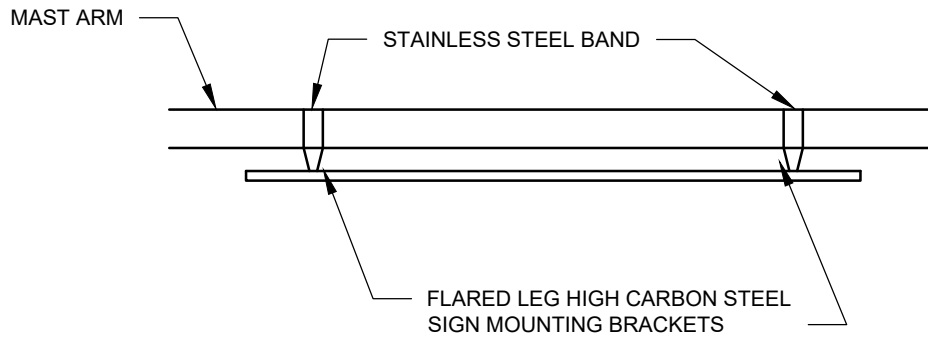
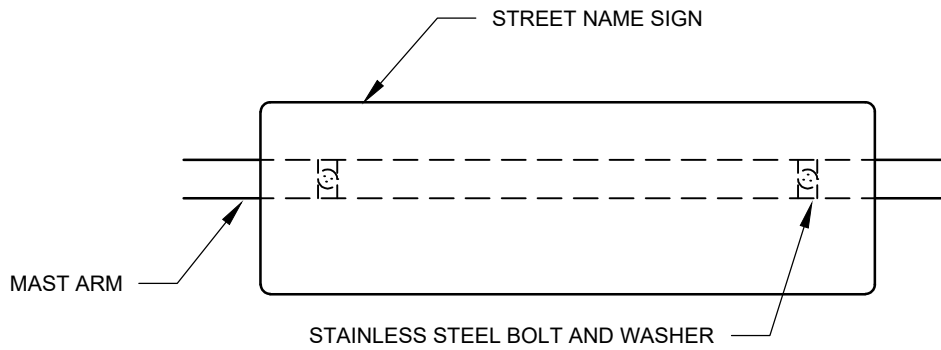
REVISION DATE: JULY 01, 2015



STANDARD DETAILS

BUMP LEGEND

FILE NAME: SD416A.DWG DETAIL NUMBER: 416A



NOTES:

1. SUBMIT LAYOUT PROOF FOR APPROVAL BY THE TRAFFIC OPERATIONS STAFF.
2. BAND BRACKET AND SIGN TO MAST ARM USING 3/4 INCH WIDE X 0.045 INCH THICK STRENGTH STAINLESS STEEL BAND. SIGN MUST BE LEVEL.
3. WHITE SIGN LETTERS ON GREEN. USE 3M DIAMOND GRADE DG³. MUST BE LEVEL GRADE SHEETING AND LETTERS.
4. AIM VERTICAL ANGLE CONSISTENT WITH SIGNAL DISPLAY.

	NUMERALS & LETTERS *
UPPER CASE	12" SIZE, D-SERIES
LOWER CASE	9" SIZE, D-SERIES

MATERIALS:

ALUMINUM 0.100 INCH THICK STOCK WITH ROUNDED CORNERS.

DIMENSIONS:

PROVIDE LETTER SPACING, TEXT MARGINS, SIGN BORDERS AND CORNER RADII PER WSDOT SIGN FABRICATION MANUAL.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: MARCH 01, 2018

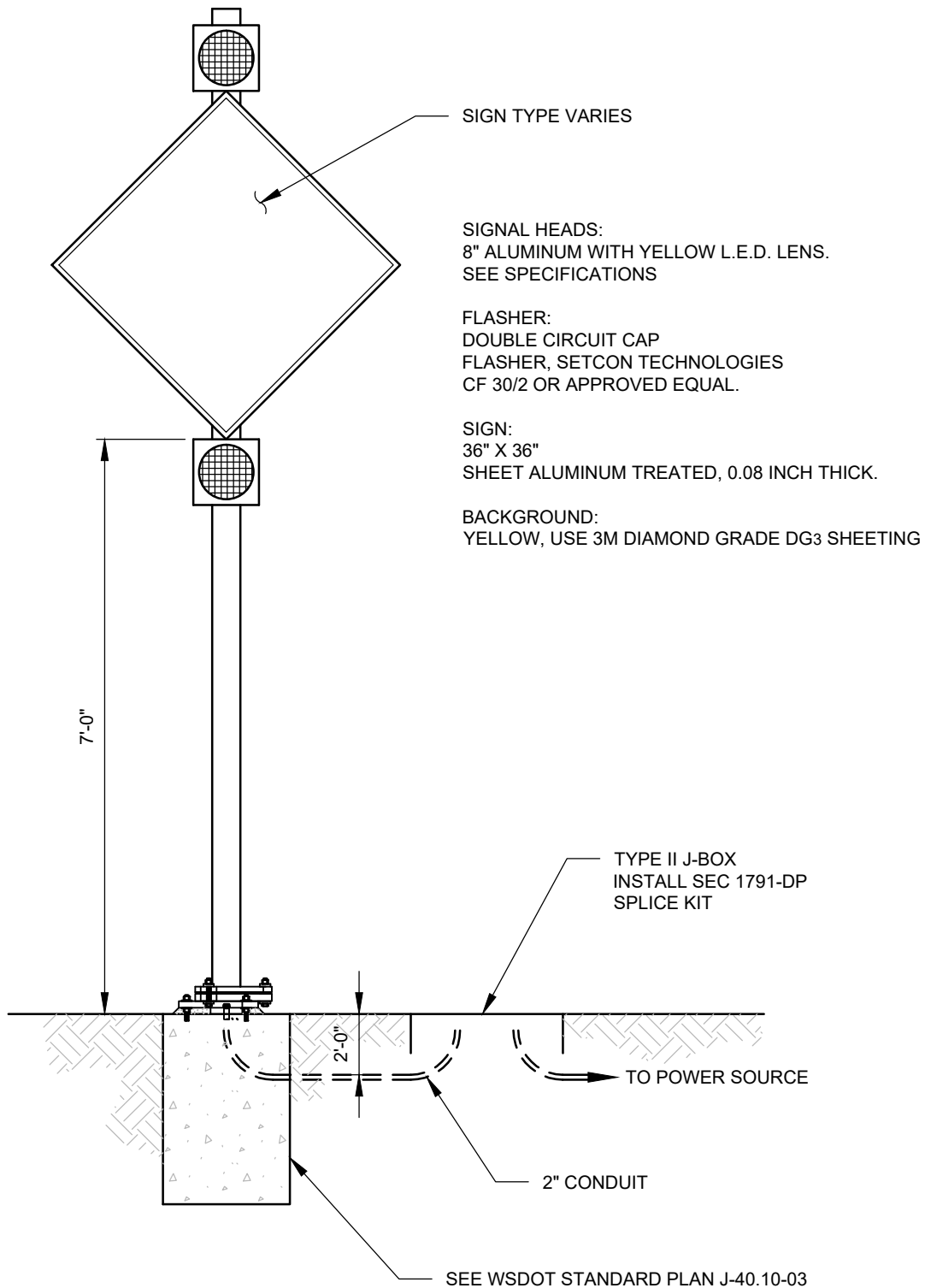


STANDARD DETAILS

MAST ARM
STREET NAME SIGNS

FILE NAME: SD417.DWG

DETAIL NUMBER: 417



Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015

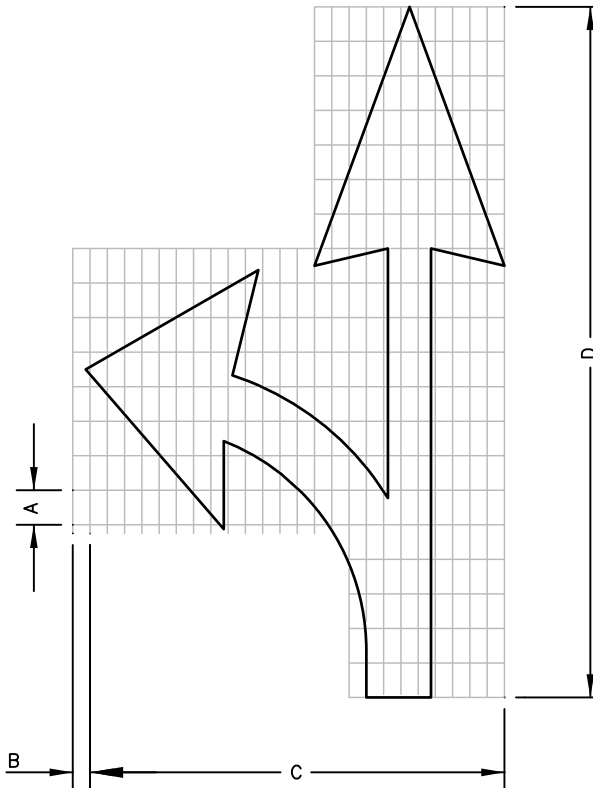
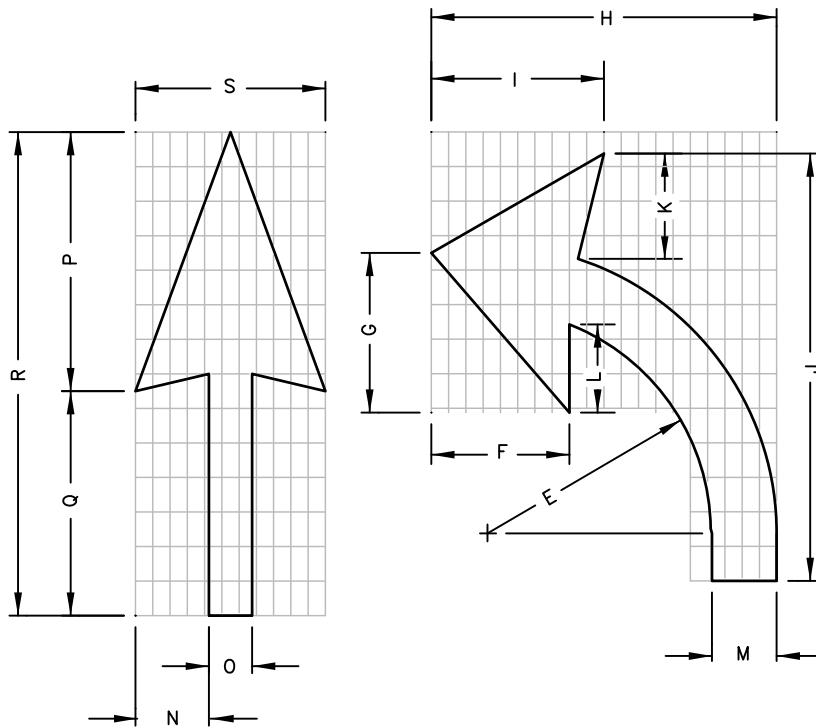


STANDARD DETAILS

ADVANCE WARNING
SIGN/FLASHER

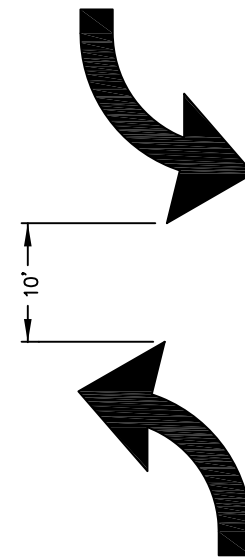
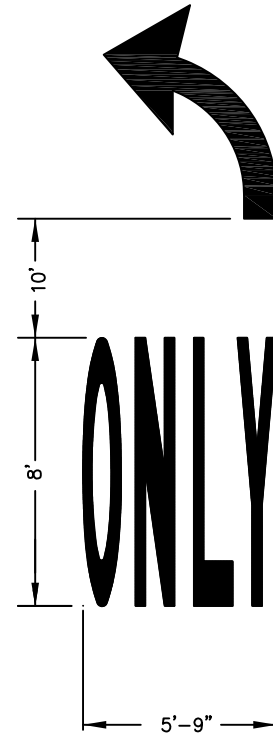
FILE NAME: SD418.DWG

DETAIL NUMBER: 418



NOTE:

USE THERMOPLASTIC UNLESS DIRECTED
OTHERWISE BY CITY TRAFFIC ENGINEER



A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
8"	4"	8'-0"	13'-4"	4'-4"	2'-8"	3'-1"	6'-7"	3'-4"	8'-3"	1'-11"	1'-8"	1'-3"	1'-5"	10"	5'-0"	4'-4"	9'-4"	3'-8"

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2014



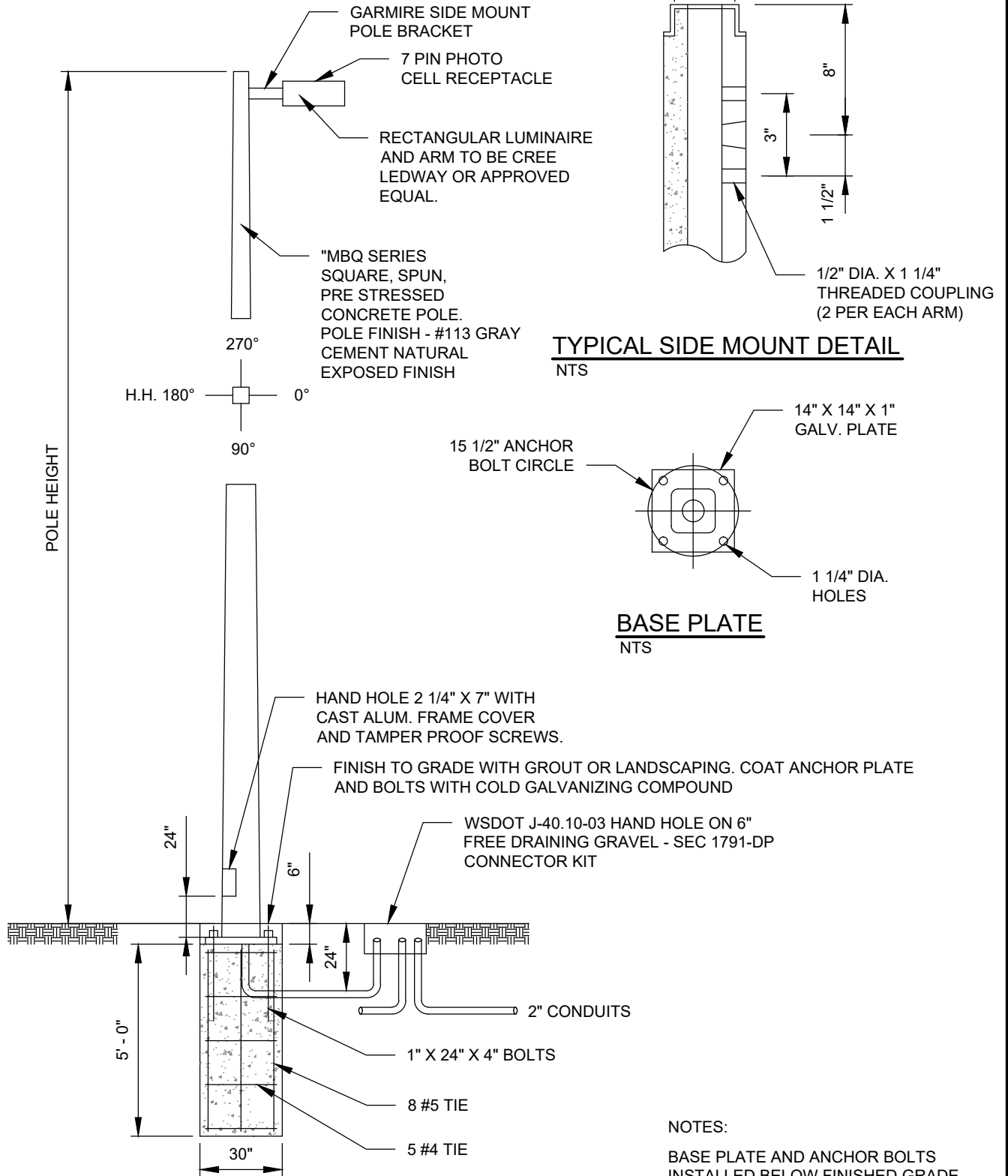
STANDARD DETAILS

**LANE-USE
PAVEMENT MARKINGS**

FILE NAME: SD419.DWG

DETAIL NUMBER: **419**

CATALOG NUMBER	MOUNTING HT.	POLE HT.	BUTT SECTION	NOMINAL WT (LBS)
MBQ - 11	35' - 5"	36' - 1"	9 7/16"	1880



NOTES:

BASE PLATE AND ANCHOR BOLTS
INSTALLED BELOW FINISHED GRADE

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: MARCH 01, 2018



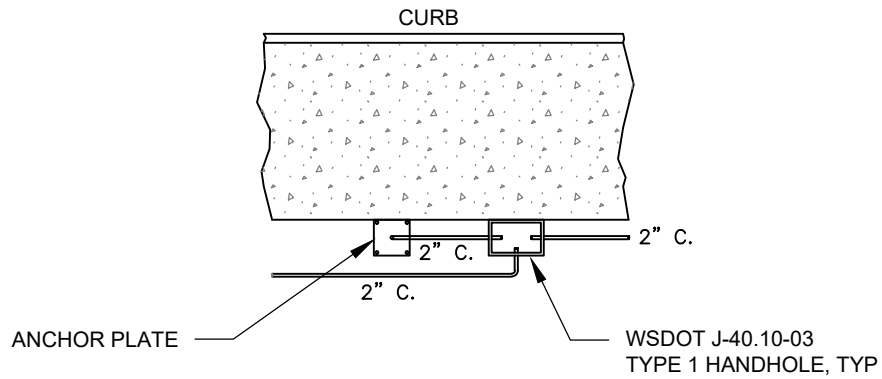
City of Redmond
WASHINGTON

STANDARD DETAILS

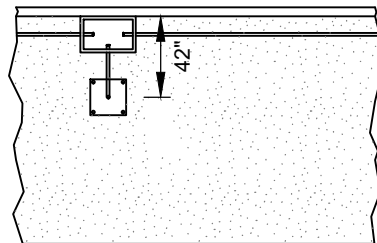
LUMINAIRE POLE
(CONCRETE SQUARE)

FILE NAME: SD420.DWG

DETAIL NUMBER: 420



SIDEWALK
NTS



NO SIDEWALK
NTS

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

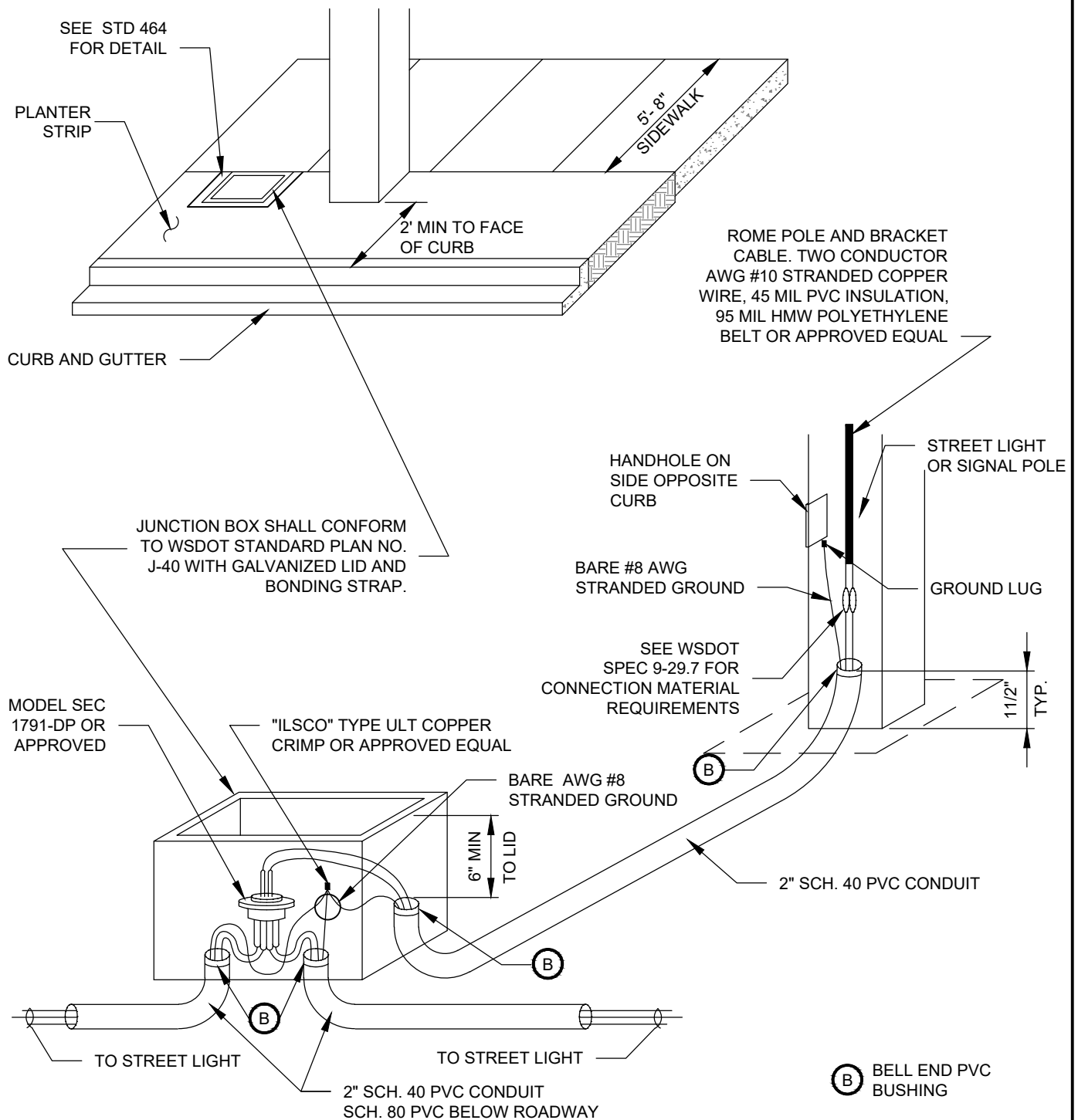
REVISION DATE: JULY 01, 2015



STANDARD DETAILS

TYPICAL LUMINARE LOCATIONS

FILE NAME: SD420A.DWG DETAIL NUMBER: 420A



NOTES:

1. ALL ELECTRICAL SPLICES MUST MEET WET RATING.
2. BOND FRAME AND LID.
3. SPLICE KIT REQUIRED FOR EACH LIGHT INCLUDING LAST LIGHT ON CIRCUIT.
4. SPLICE BOX SEC 1791-DP REQUIRED TO BRANCH CIRCUIT IN THREE OR MORE DIRECTIONS.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: MARCH 01, 2016

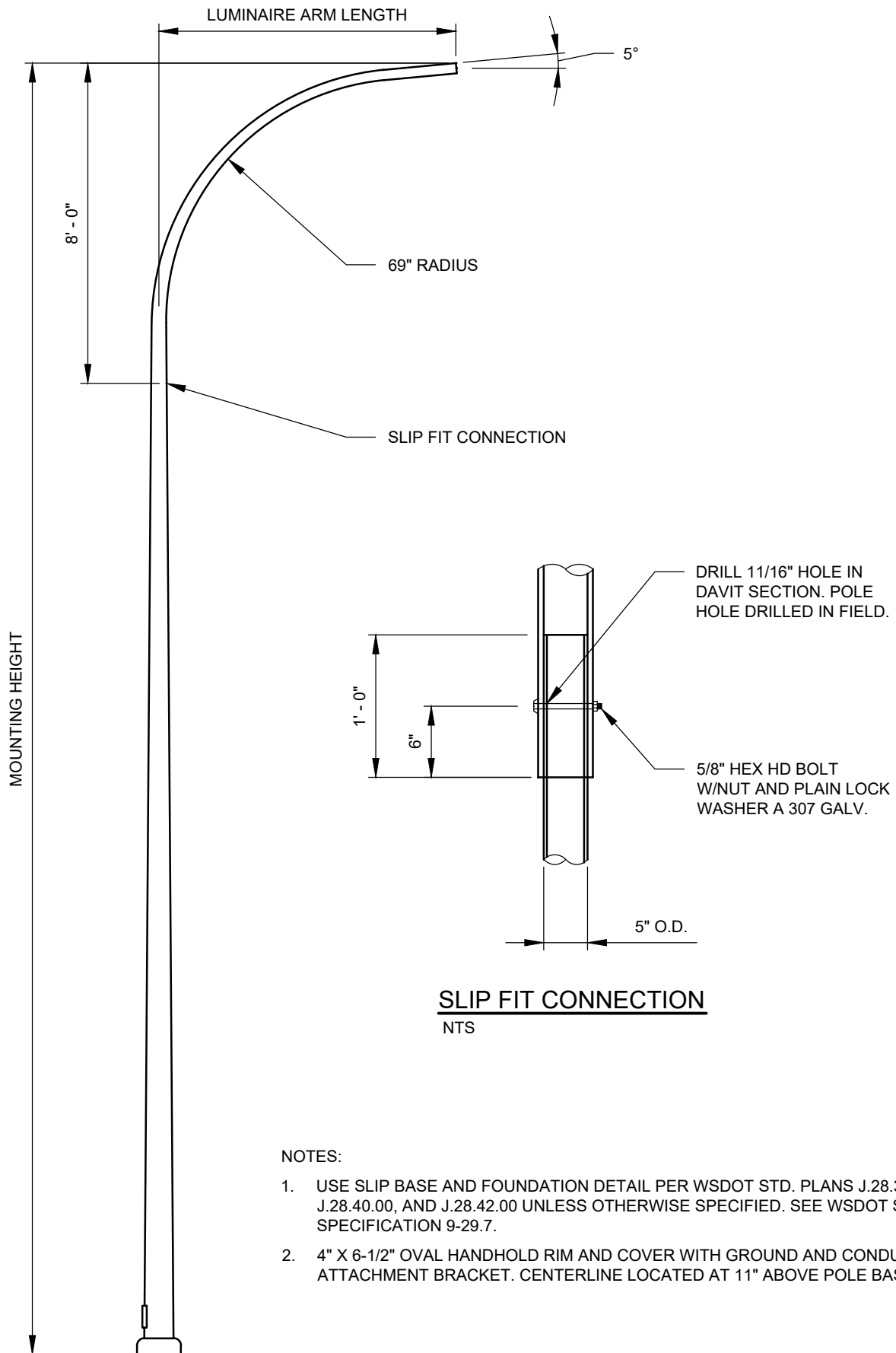


STANDARD DETAILS

UNIFORM LUMINAIRE WIRING

FILE NAME: SD421.DWG

DETAIL NUMBER: 421



NOTES:

1. USE SLIP BASE AND FOUNDATION DETAIL PER WSDOT STD. PLANS J.28.30-00, J.28.40.00, AND J.28.42.00 UNLESS OTHERWISE SPECIFIED. SEE WSDOT STD SPECIFICATION 9-29.7.
2. 4" X 6-1/2" OVAL HANDHOLD RIM AND COVER WITH GROUND AND CONDUCTOR ATTACHMENT BRACKET. CENTERLINE LOCATED AT 11" ABOVE POLE BASE.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015



STANDARD DETAILS

"J" SERIES
LIGHT STANDARD

FILE NAME: SD425.DWG

DETAIL NUMBER: 425



SIGN FABRICATION DETAIL

NTS

MUTCD TABLE 2D-2. MINIMUM LETTER HEIGHTS ON STREET NAME SIGNS

			MINIMUM LETTER HEIGHT		BLADE SIZE	
TYPE OF MOUNTING	TYPE OF STREET	SPEED LIMIT	INITIAL UPPER CASE	LOWER CASE	MIN	MAX
OVERHEAD	ALL TYPES	ALL SPEED LIMITS	12 INCHES	9 INCHES	18" HT.	18" HT.
POST-MOUNTED	MULTI-LANE	MORE THAN 40 MPH	8 INCHES	6 INCHES	10" X 36"	10" X 48"
POST-MOUNTED	MULTI-LANE	40 MPH OR LESS	6 INCHES	4.5 INCHES	8" X 30"	8" X 36"

NOTES:

1. LETTERS SHALL BE HIGHWAY B SERIES FONT.
2. SIGN CORNERS SHALL BE ROUNDED.
3. FOR INTERSECTIONS THAT HAVE DIFFERING SPEEDS, THE HIGHEST SPEED SHALL DICTATE THE SIZE OF ALL STREET NAME SIGNS.
4. SIGN MATERIAL SHALL BE 0.080 INCH THICK STOCK ALUMINUM WITH WHITE SIGN LETTERS ON GREEN.
5. UNLESS OTHERWISE SPECIFIED, ALL SIGN SHEETING SHALL BE DG³.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

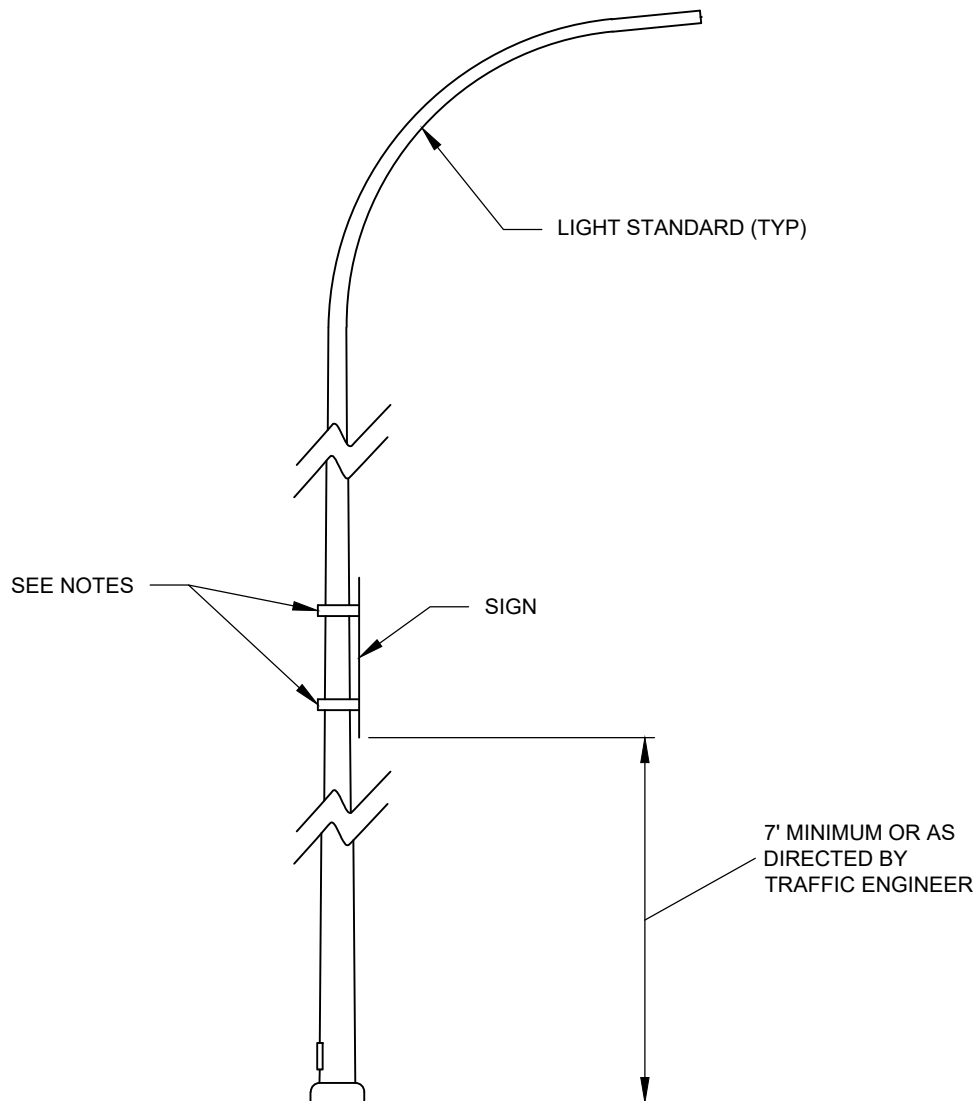
REVISION DATE: MARCH 01, 2018



STANDARD DETAILS

SIGN AND POST
DETAIL

FILE NAME: SD426A.DWG DETAIL NUMBER: 426A



SIGN MOUNTING DETAIL
NTS

NOTES:

1. SIGN MOUNTED ON STREETLIGHTS SHALL BE BANDED (3/4" WIDE 0.30 THICKNESS STAINLESS STEEL BANDING WITH BANDING BUCKLES AND BOLT FLARED LEG BUCKLES).
2. ATTACH SIGN TO POST WITH 3/8" X 3" GALVANIZED BOLTS WITH WASHERS ON FRONT AND BACK.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

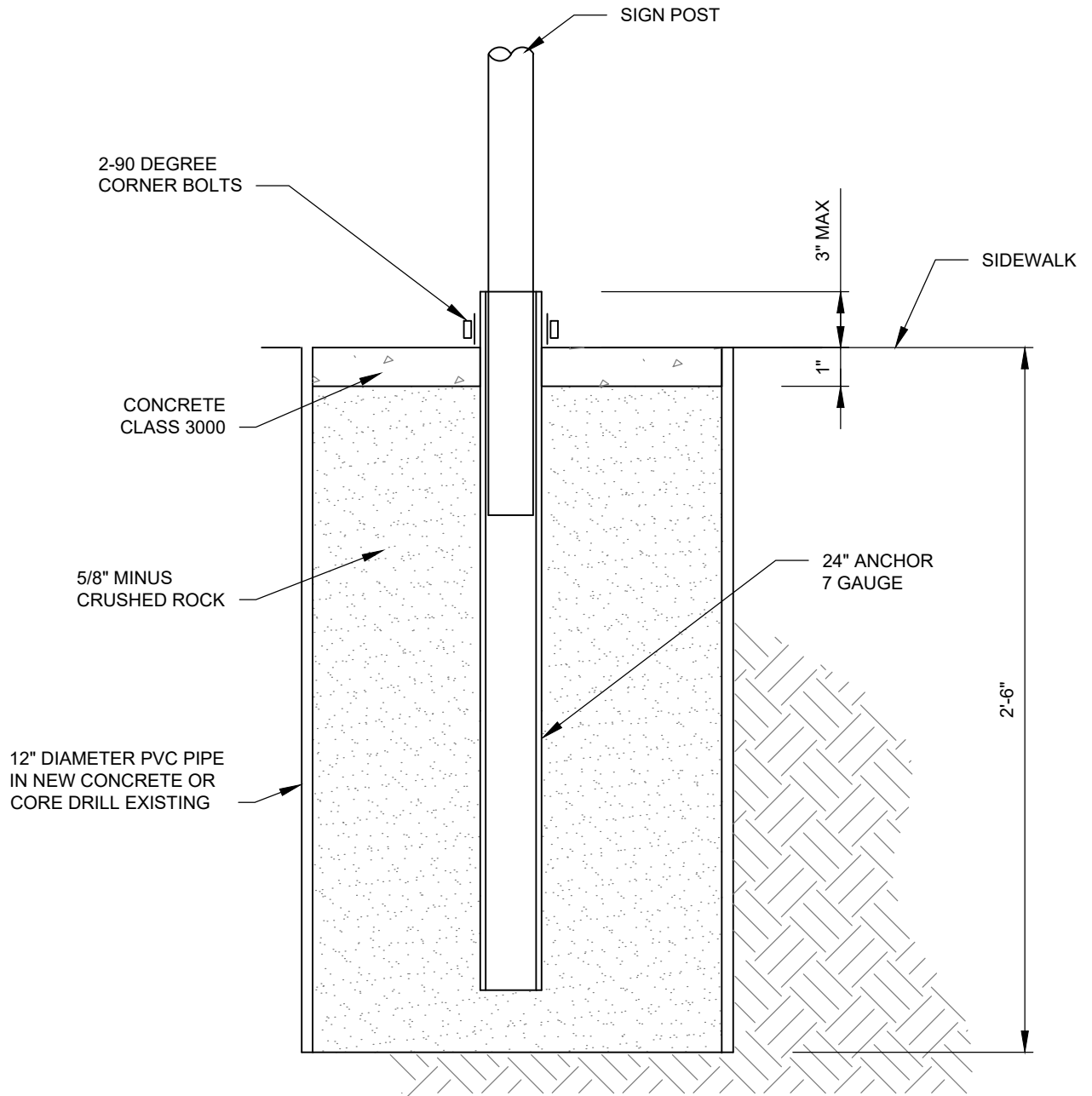
REVISION DATE: MARCH 01, 2017



STANDARD DETAILS

**STREET LIGHT POLE
MOUNTING SIGN**

FILE NAME: SD426B.DWG DETAIL NUMBER: 426B



NOTES:

1. POST: 2" X 2" 14 GAUGE (0.83) QWIK PUNCH A.S.T.M. A570 WITH ANCHOR AND STIFFENER SLEEVE.
2. SIGN HEIGHT: FROM THE GROUND TO THE BOTTOM OF THE SIGN SHALL BE 7'-0" (TYPE PER MUTCD).
3. OFFSET LOCATION PER MUTCD. SIGN POST NOT TO EXTEND PAST TOP OF SIGN. ATTACH SIGN TO POST WITH 3/8" X 3" GALVANIZED BOLTS WITH WASHERS ON FRONT AND BACK.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015

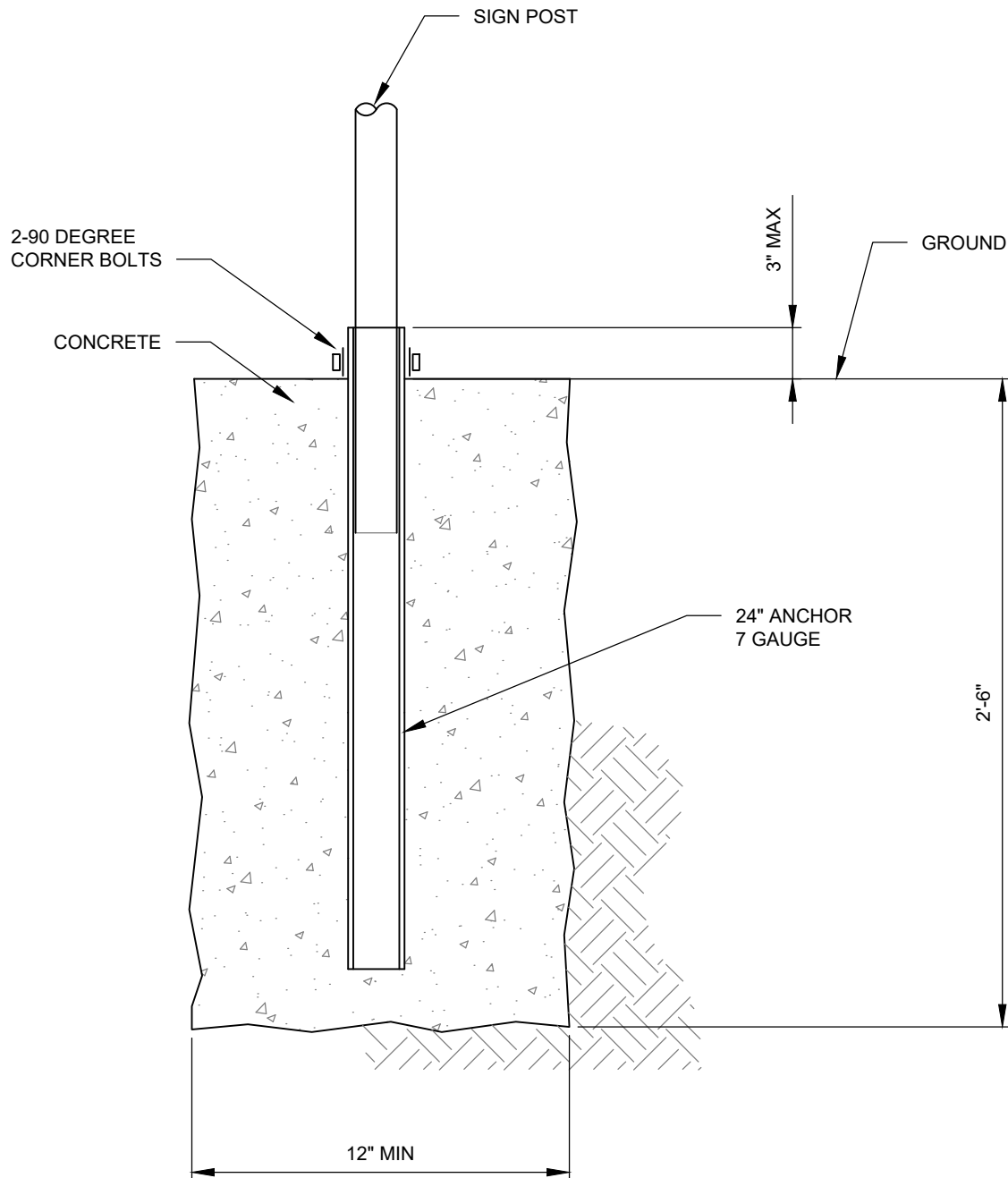


City of Redmond
WASHINGTON

STANDARD DETAILS

SIGN POST IN
CONCRETE/ASPHALT

FILE NAME: SD426C.DWG DETAIL NUMBER: 426C



NOTES:

1. POSTS: 2"x2" 14 GAUGE (.083) QWIK PUNCH A.S.T.M. A570, WITH ANCHOR AND STIFFENER SLEEVE.
2. SIGN HEIGHT: FROM THE GROUND TO THE BOTTOM OF THE SIGN SHALL BE 7'-0" (TYP. PER MUTCD).
3. OFFSET LOCATION PER MUTCD: SIGN POST NOT TO EXTEND PAST TOP OF SIGN. ATTACH SIGN TO POST WITH 3/8"x3" GALVANIZED BOLTS WITH WASHERS ON FRONT AND BACK.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

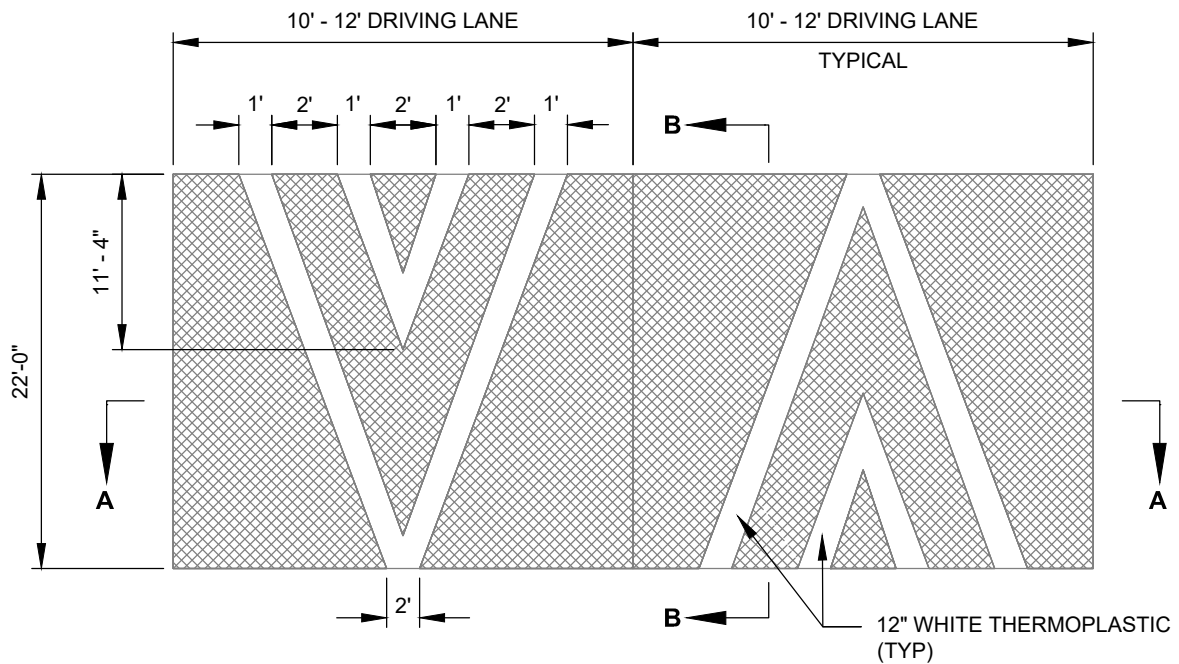
REVISION DATE: JULY 01, 2015



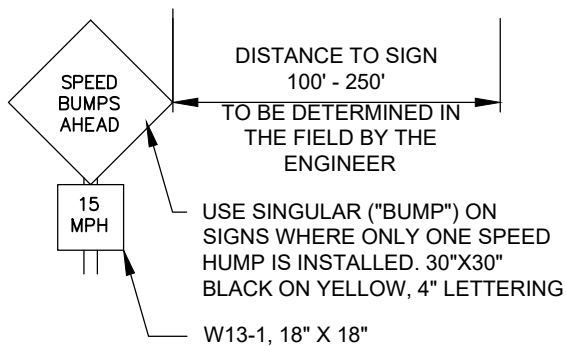
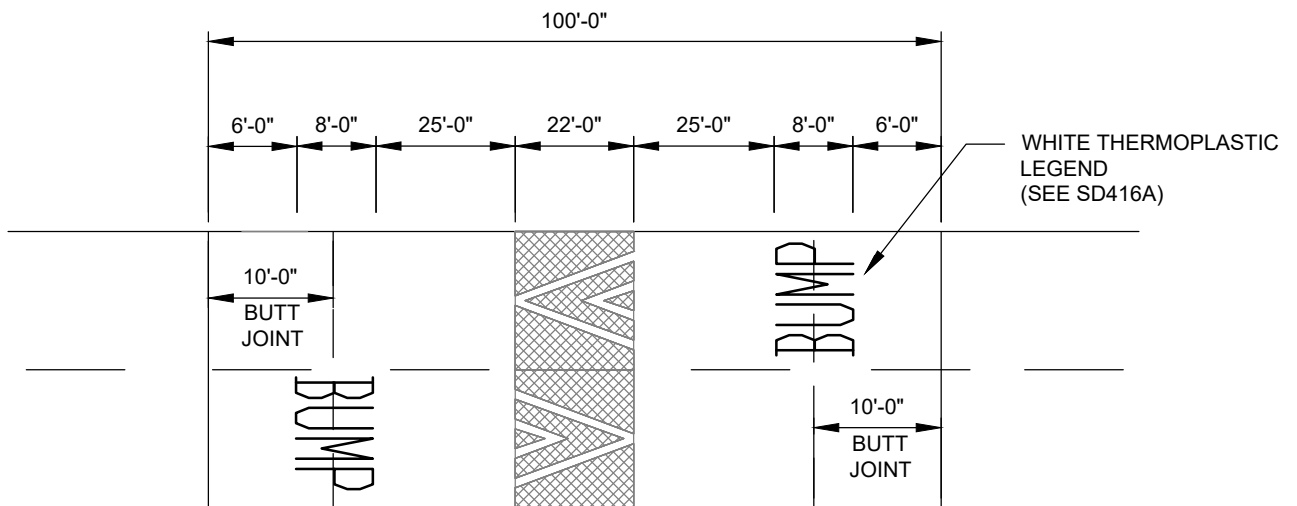
STANDARD DETAILS

SIGN POST IN GROUND

FILE NAME: SD426D.DWG DETAIL NUMBER: 426D



SPEED TABLE DETAIL (1 OF 2)
NTS



NOTES:

1. SIGNS & MARKINGS TYPICAL BOTH DIRECTIONS.
2. SEE "POST MOUNTED SIGN" STANDARD DRAWING.
3. A TEMPLATE MUST BE USED IN SHAPING SPEED TABLE.
4. 2" OVERLAY NOT REQUIRED FOR NEW PAVEMENT OR EXISTING PAVEMENT DETERMINED TO BE IN GOOD CONDITION BY THE ENGINEER.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015

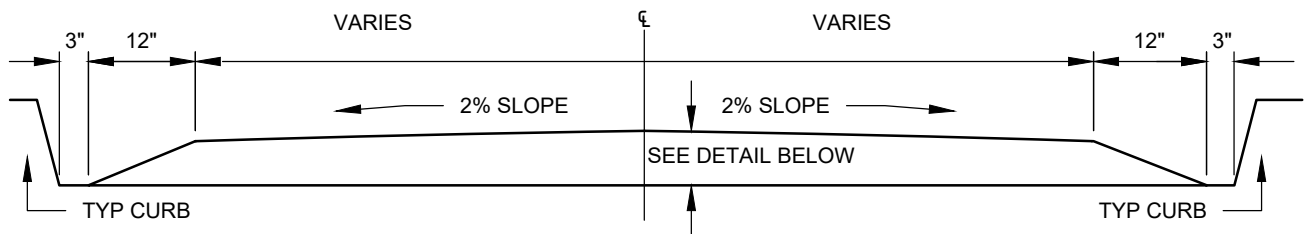


STANDARD DETAILS

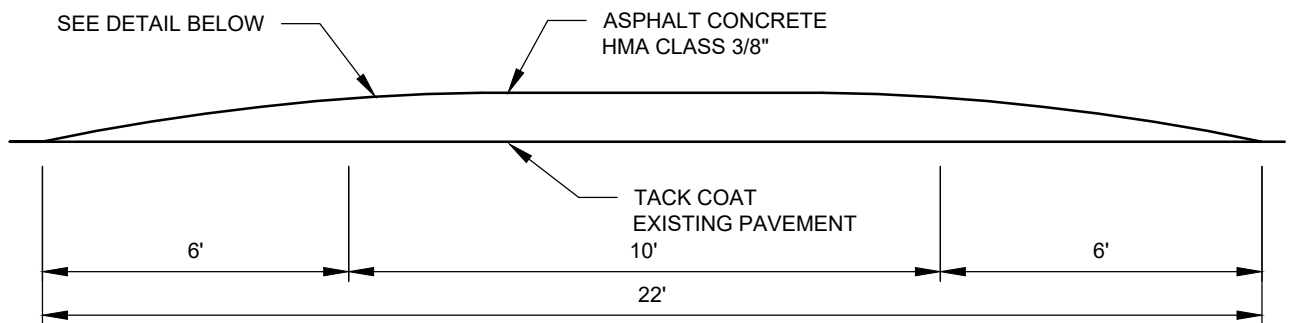
SPEED TABLE (1 OF 2)

FILE NAME: SD427.DWG

DETAIL NUMBER: 427

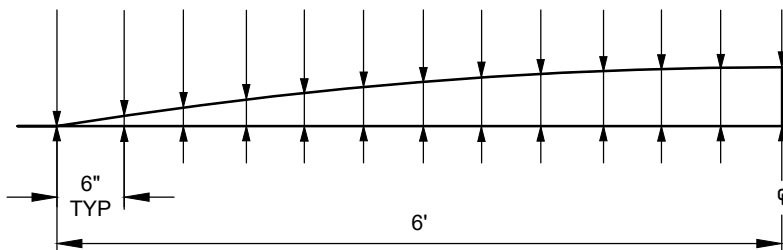


SPEED TABLE SECTION A-A
NTS



SPEED TABLE SECTION B-B
NTS

0	0.64	1.22	1.75	2.22	2.64	3.00	3.31	3.56	3.75	3.89	3.97	4.00"	← 4" SPEED TABLE
0	0.56	1.07	1.53	1.94	2.31	2.63	2.89	3.11	3.28	3.40	3.48	3.50"	← 3.5" SPEED TABLE
0	0.48	0.92	1.31	1.67	1.98	2.25	2.48	2.67	2.81	2.92	2.96	3.00"	← 3" SPEED TABLE



SPEED TABLE DETAIL (TYP)
NTS

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: MARCH 01, 2017

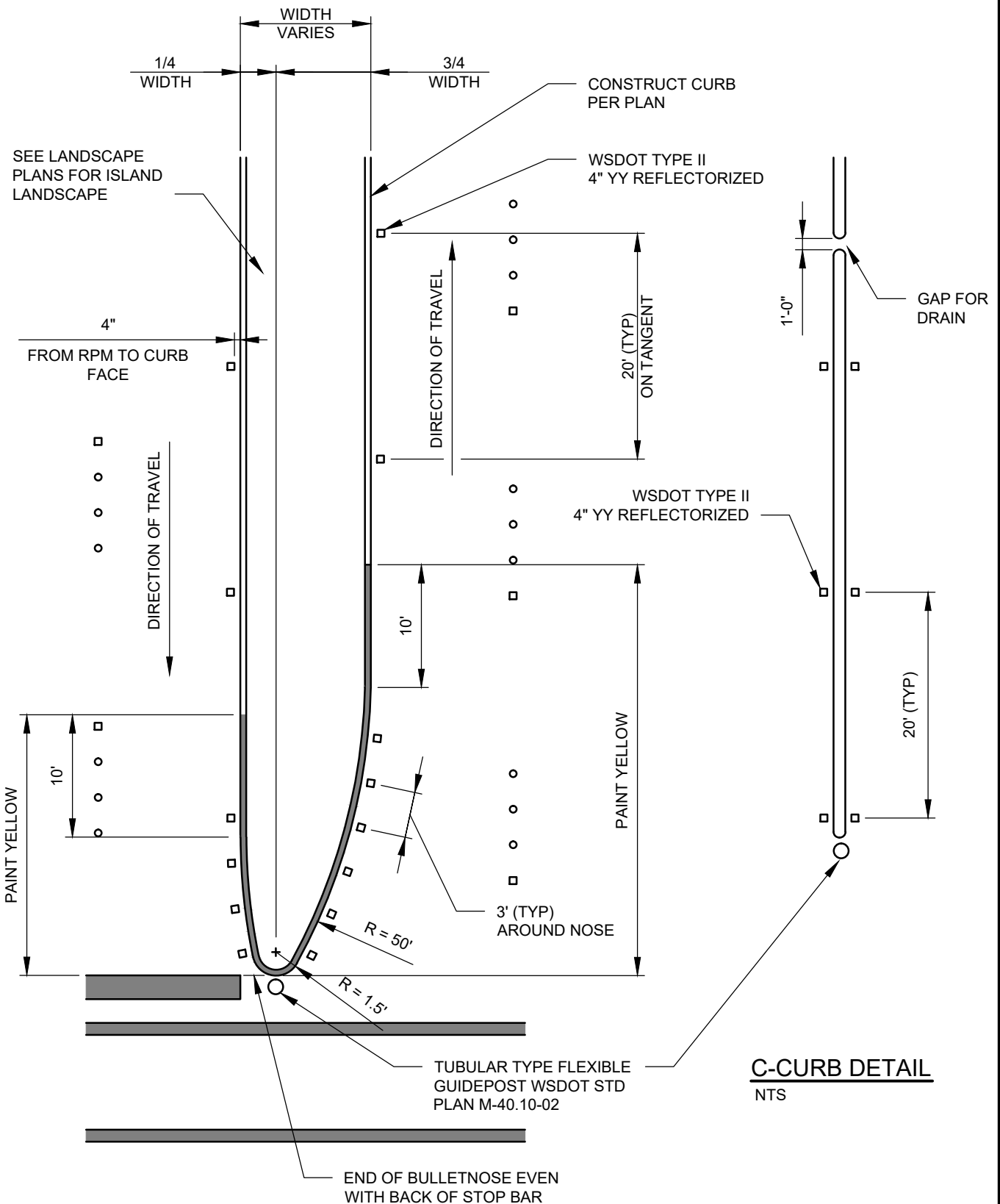


STANDARD DETAILS

SPEED TABLE (2 OF 2)

FILE NAME: SD428.DWG

DETAIL NUMBER: 428



Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015

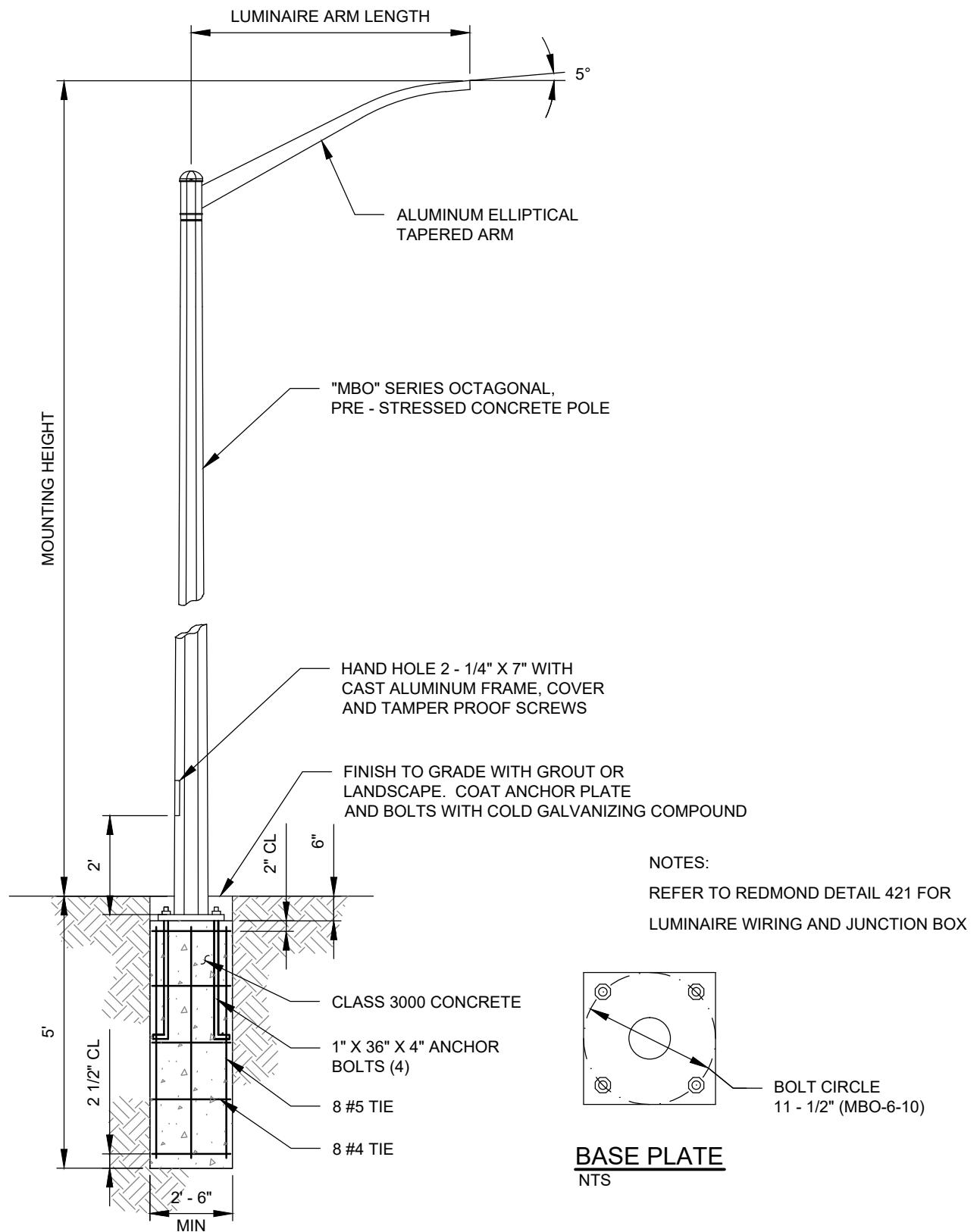


STANDARD DETAILS

**BULLETNOSE AND C-CURB
DETAIL**

FILE NAME: SD429.DWG

DETAIL NUMBER: 429



Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015

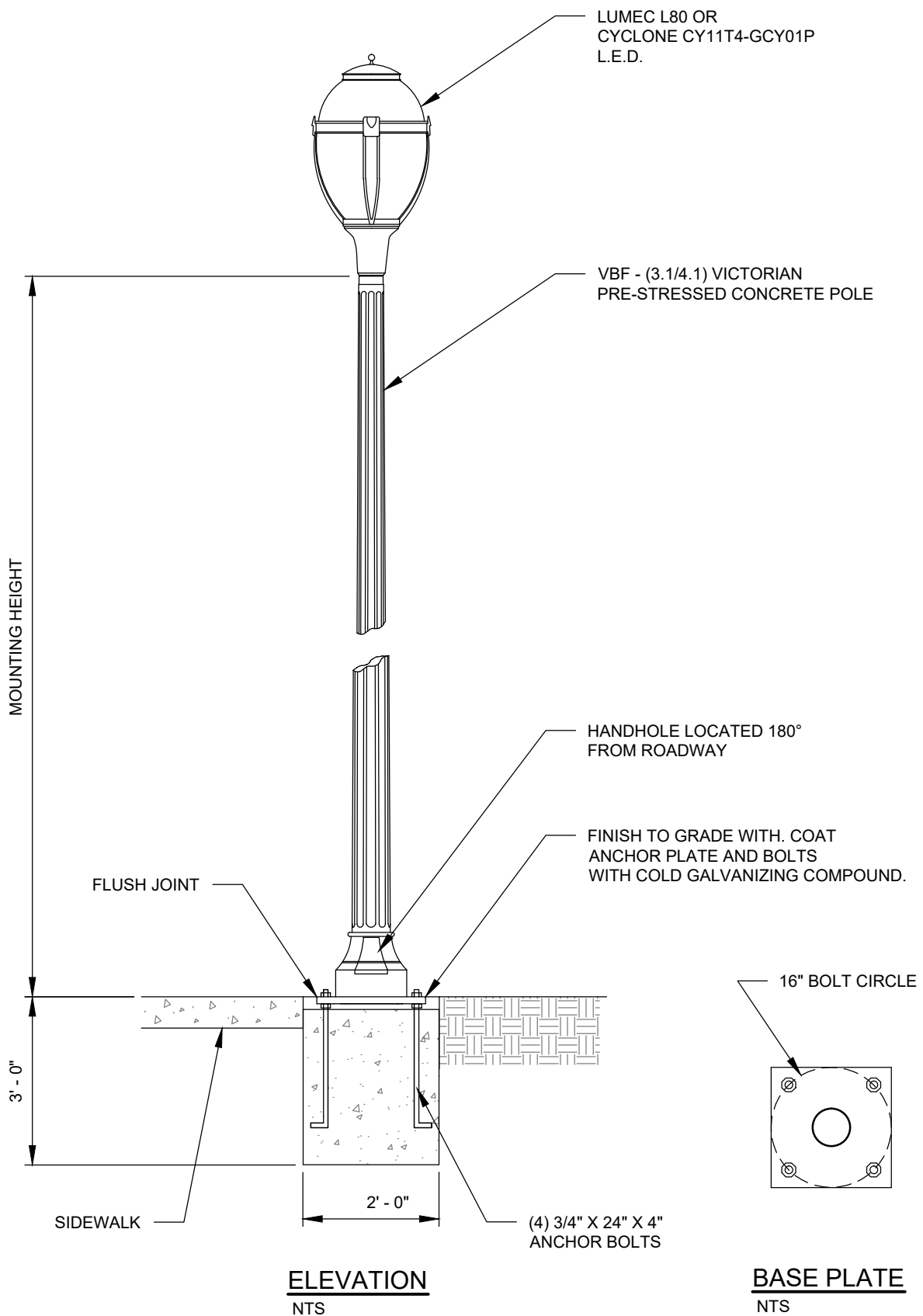


STANDARD DETAILS

CONCRETE OCTAGONAL POLE

FILE NAME: SD430.DWG

DETAIL NUMBER: 430



Rob Crittenden

APPROVED BY: ROB CRITTENDEN
 TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

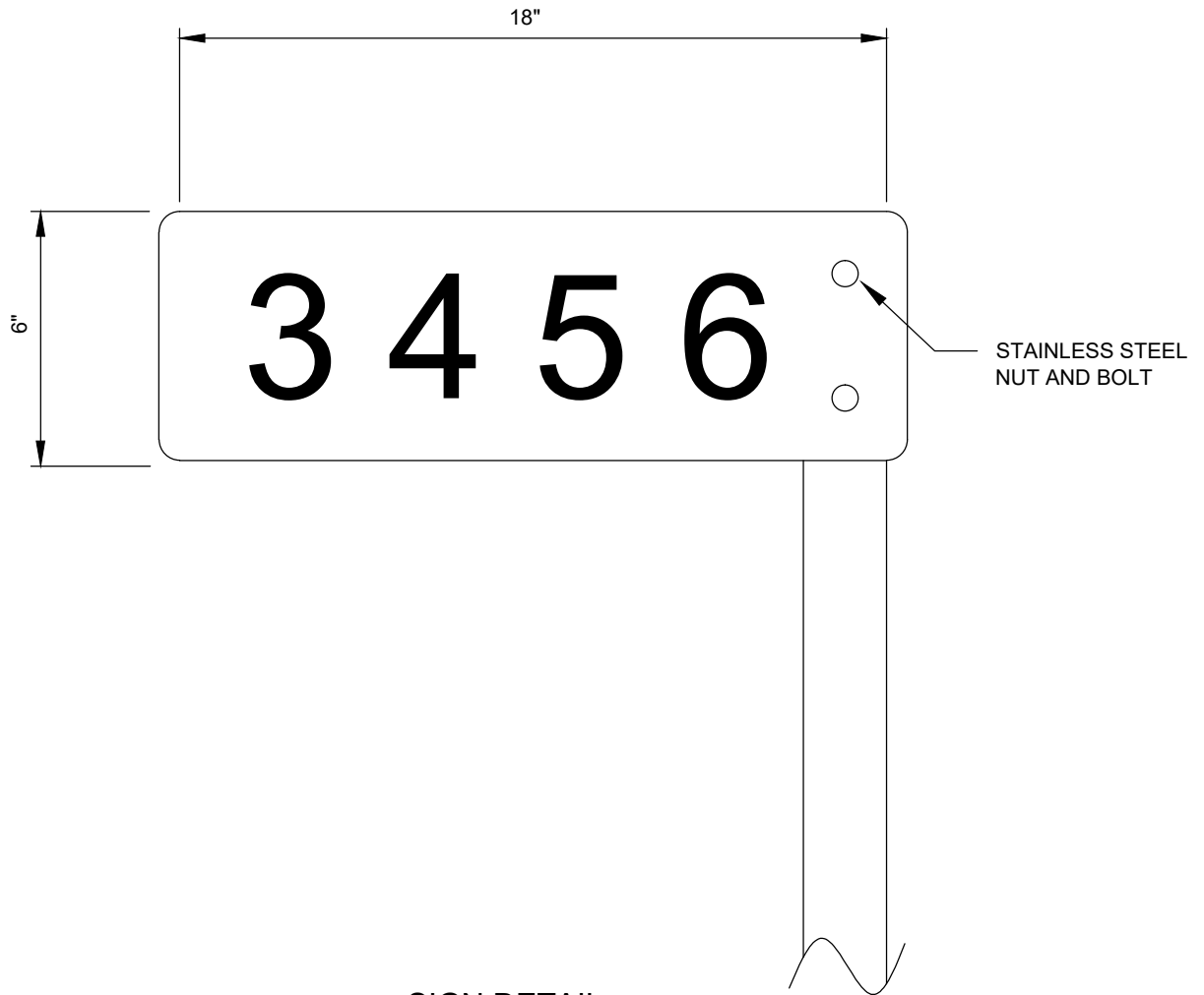
REVISION DATE: MARCH 01, 2018



STANDARD DETAILS

CONCRETE PEDESTRIAN SCALE
 POLE

FILE NAME: SD430B.DWG | DETAIL NUMBER: 430B



SIGN DETAIL
NTS

NOTES:

1. LETTER GRAPHICS SHALL BE 3" HIGHWAY B SERIES FONT.
2. SIGN CORNERS SHALL BE ROUNDED.
3. SIGN MATERIAL SHALL BE 0.080 THICK STOCK ALUMINUM WITH WHITE SIGN NUMBERS ON HIGHWAY BLUE HIGH INTENSITY OR DIAMOND GRADE SHEETING.
4. MULTIPLE SIGNS ARE ALLOWED ON THE SAME POST, WITH HEIGHT FROM THE GROUND TO THE BOTTOM OF LOWEST SIGN BEING A MINIMUM 7'.
5. POST INSTALLED PER DETAIL 425C OR 425D.
6. SIGN SHALL BE LOCATED OUTSIDE ROW.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: MARCH 01, 2017



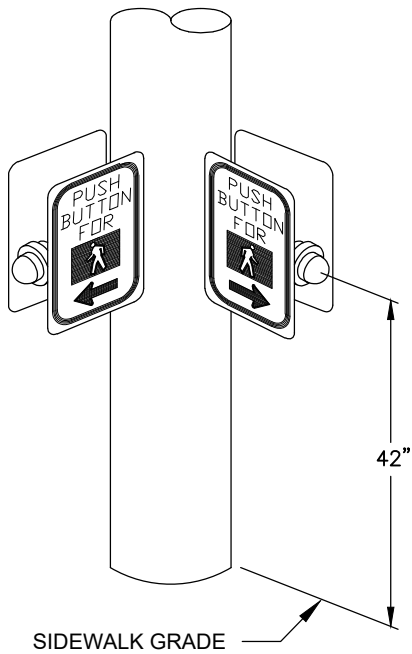
City of Redmond
WASHINGTON

STANDARD DETAILS

PRIVATE ADDRESS
SIGN DETAIL

FILE NAME: SD432.DWG

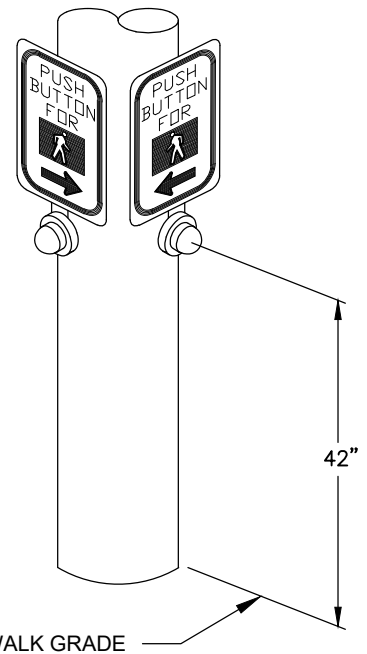
DETAIL NUMBER: 432



SIDEWALK GRADE

STYLE H-1

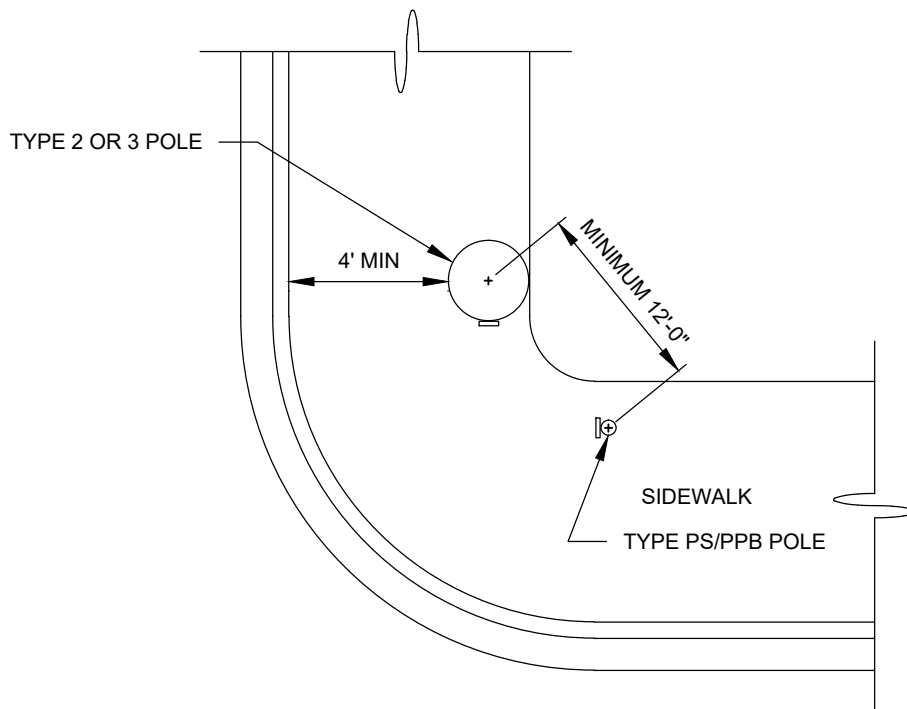
NTS



SIDEWALK GRADE

STYLE ADA

NTS



PLAN VIEW

NTS

NOTES:

1. PEDESTRIAN PUSH - BUTTON SHALL BE ACCESSIBLE STYLE UNLESS OTHERWISE SPECIFIED IN THE PLANS.
2. SEE REDMOND SIGNAL STANDARDS MANUAL FOR POLE PLACEMENT LOCATION RELATIVE TO WHEELCHAIR RAMPS.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015



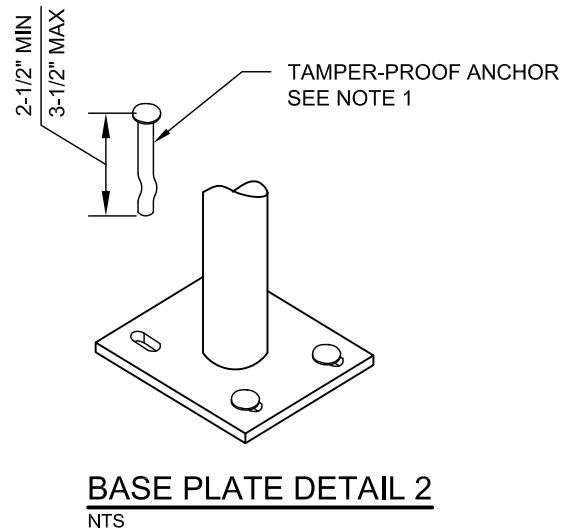
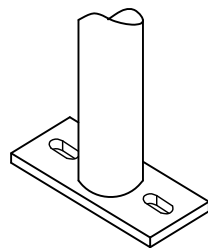
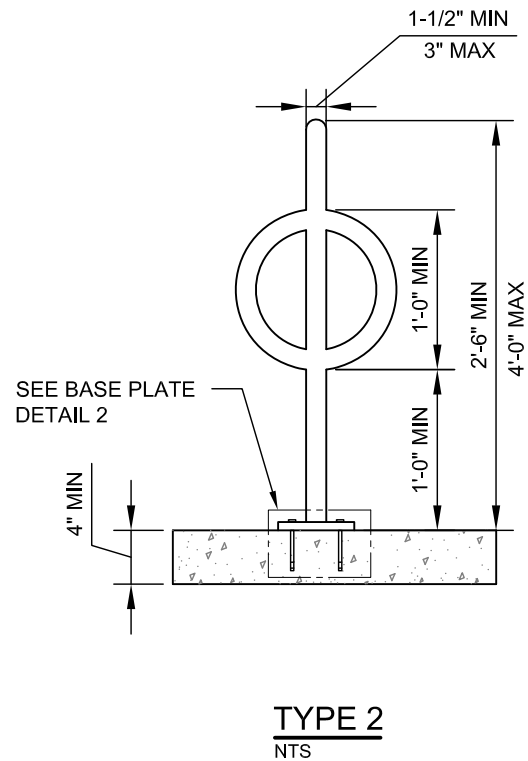
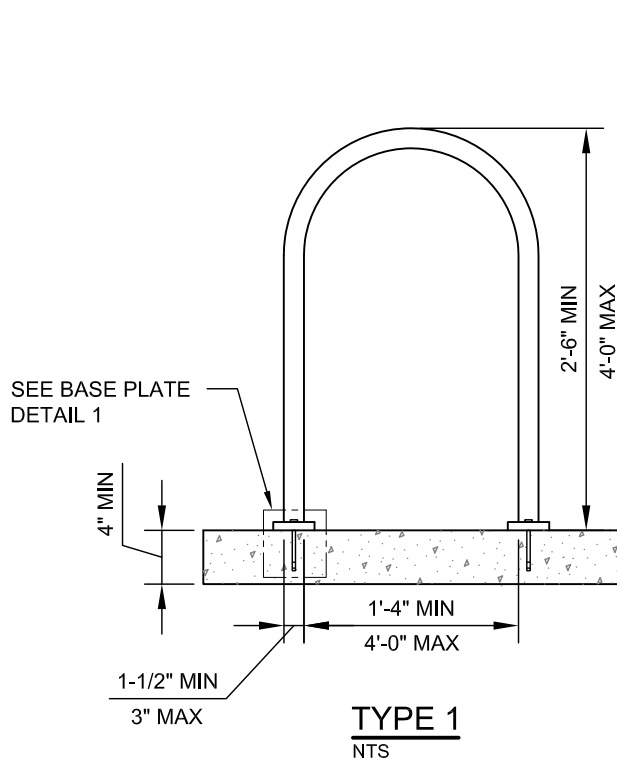
City of Redmond
WASHINGTON

STANDARD DETAILS

PEDESTRIAN PUSH BUTTON
ORIENTATION

FILE NAME: SD453.DWG

DETAIL NUMBER: 453



NOTES:

1. SECURE RACKS TO CONCRETE WITH TAMPER-PROOF ANCHORS AS PROVIDED BY VENDOR, OR CONCRETE SPIKES. ANCHOR HEAD WILL BE SIZED TO SECURED RACK AND BETWEEN 2-1/2" AND 3-1/2" LONG.
2. THE HOLES HAVE TO BE AT LEAST 6" AWAY FROM ANY CRACKS IN THE BASE MATERIAL.
3. OTHER BICYCLE RACKS MAY BE APPROVED BY THE TRANSPORTATION ENGINEER.

Donald Cairns

APPROVED BY: DONALD CAIRNS
TRANSPORTATION PLANNING AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2014

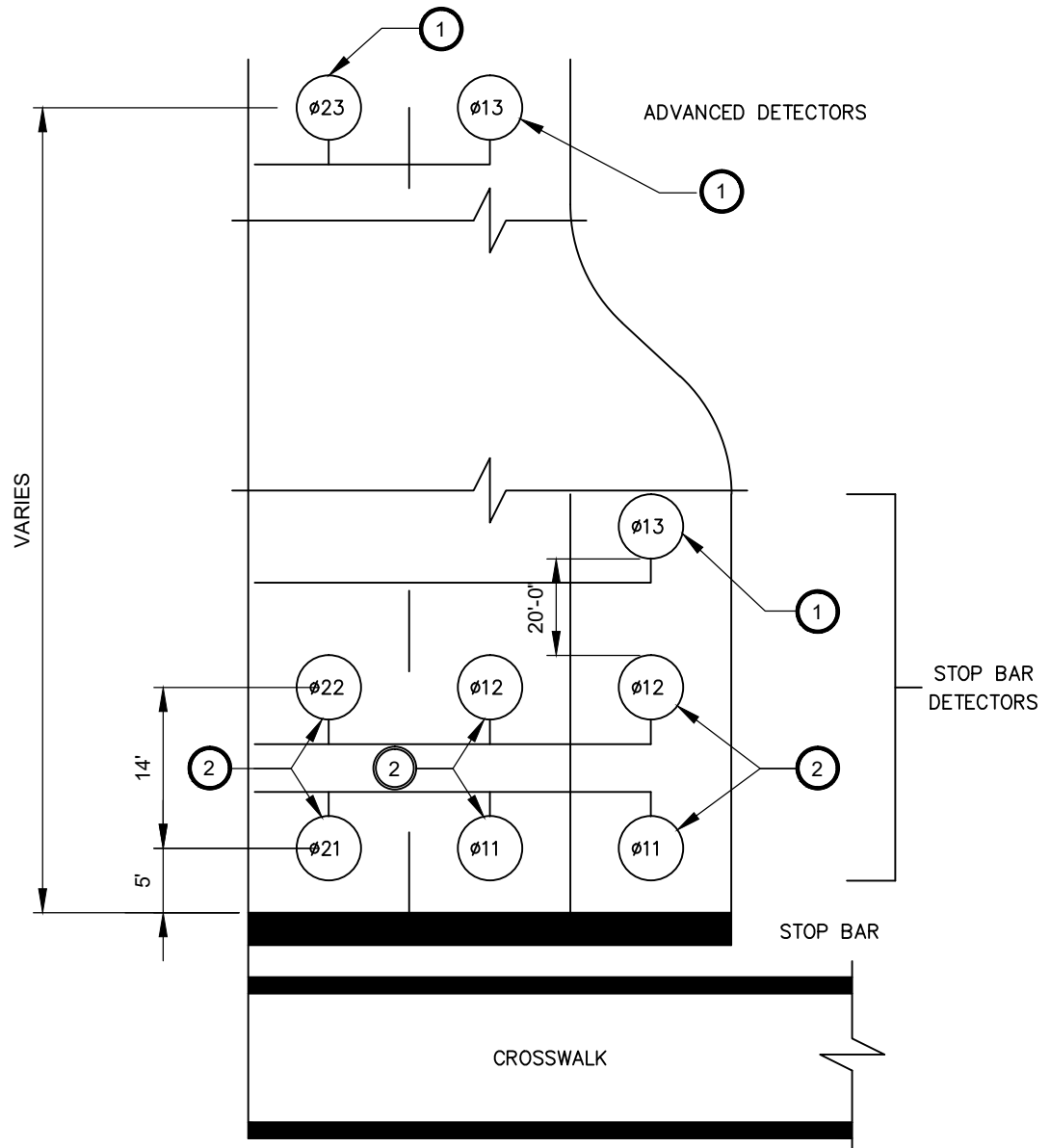


STANDARD DETAILS

APPROVED BICYCLE RACKS

FILE NAME: SD454.DWG

DETAIL NUMBER: **454**



NOTES:

1. SPLICE INDIVIDUAL LEADS TO SHIELDED, TWISTED CONDUCTOR PAIR IN ADJACENT JUNCTION BOX.
2. CONNECT DETECTOR LEADS IN SERIES AND SPLICE TO SHIELDED, TWISTED CONDUCTOR PAIR IN ADJACENT JUNCTION BOX.
3. LOOPS TO BE CENTERED IN LANES.
4. NUMBER CORRESPONDS TO THE PHASE NUMBER AS SHOWN ON THE DESIGN.
5. SEE STANDARD DETAIL 455, 456 AND WSDOT STANDARD PLAN J-50 FOR LOOP CONSTRUCTION DETAILS. SEE STANDARD DETAIL 311A AND 311B FOR CROSSWALK AND STOP LINE DETAILS.
6. FINAL LOOP LOCATION TO BE APPROVED BY THE ENGINEER.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

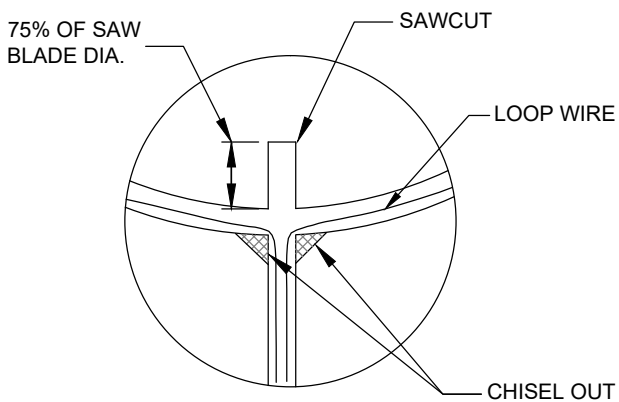
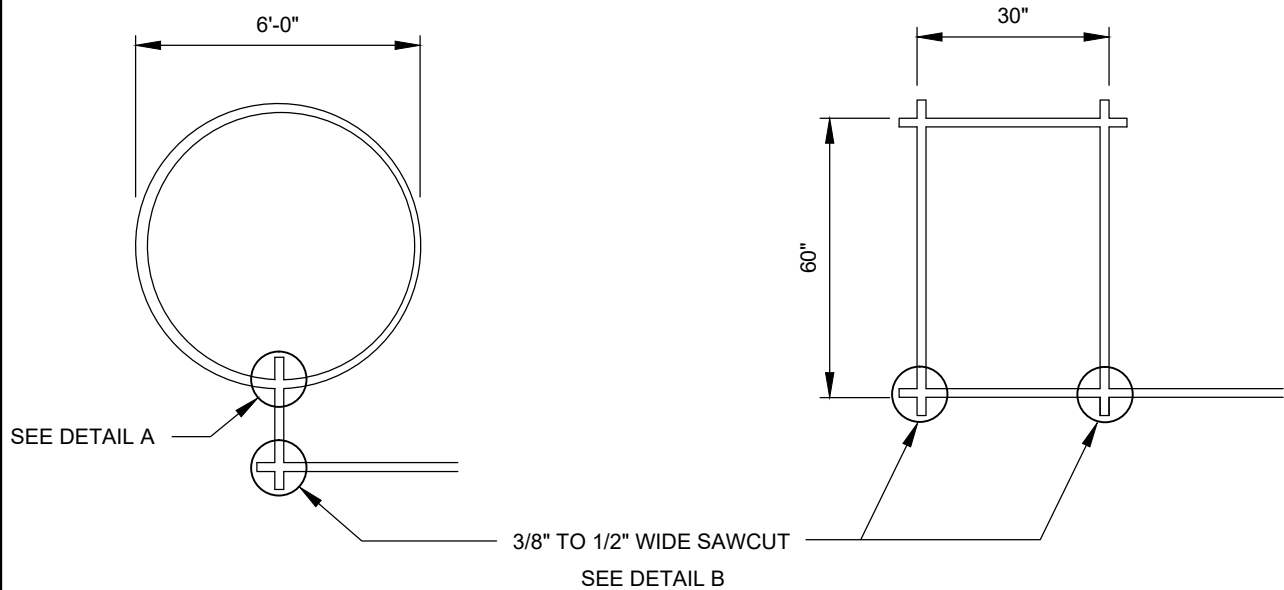
REVISION DATE: JULY 01, 2015



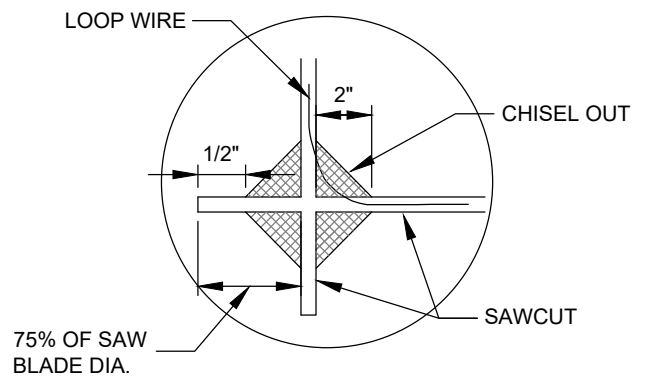
STANDARD DETAILS

LOOP DETECTOR NUMBERING
AND SPACING

FILE NAME: SD454A.DWG DETAIL NUMBER: 454A



DETAIL A
NTS



DETAIL B
NTS

NOTES:

1. DEPTH OF SAWCUT SHALL BE 2.5" UNLESS SPECIFIED OTHERWISE (2.75" AT PAVEMENT JOINTS)
2. ALL AREAS WHERE LOOP WIRES ARE TO BE PLACED SHALL HAVE A UNIFORM DEPTH AND SMOOTHNESS.
3. LOOP SEALANT SHALL BE CRAFCO MSI 34271. APPLY PER MANUFACTURER'S RECOMMENDATIONS.
4. ALL LOOPS SHALL HAVE 4 TURNS OF WIRE.
5. BICYCLE LOOPS SHALL HAVE 5 TURNS OF WIRE.
6. SAWCUT SHALL BE CONSTRUCTED TO MINIMIZE NUMBER OF BENDS BETWEEN LOOPS AND THE ADJACENT BOX.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015

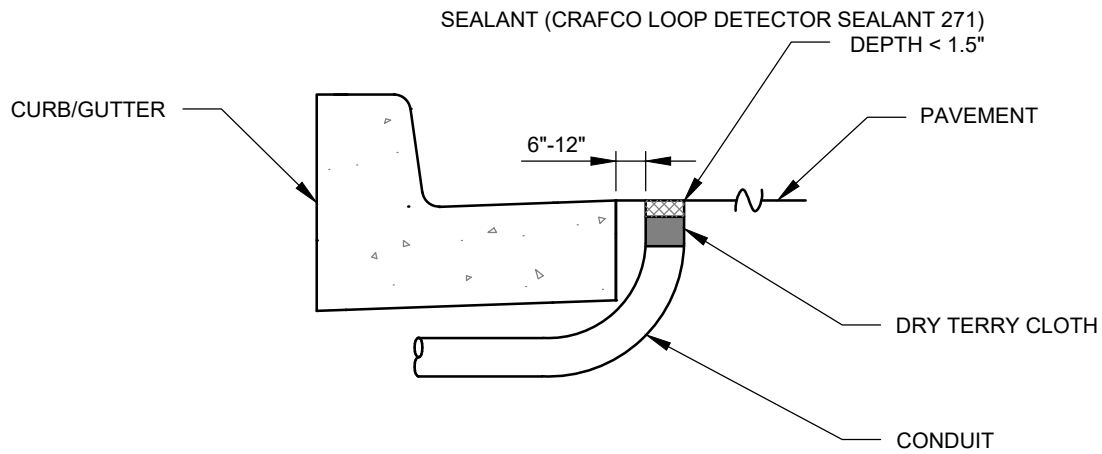


STANDARD DETAILS

LOOP DETECTOR SAWCUT

FILE NAME: SD455.DWG

DETAIL NUMBER: 455

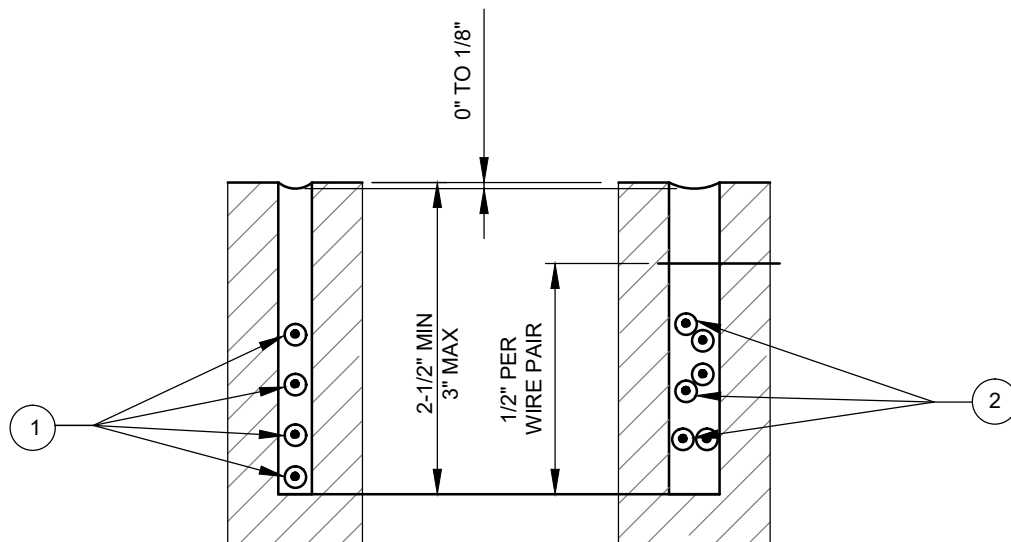


CONDUIT UNDER CURB

NTS

NOTE:

HOLES > 3-1/2" DIA. REQUIRE AN ASPHALT PATCH.
ASPHALT SHALL BE HMA FOR PAVEMENT REPAIR.



1/4" LOOP SAWCUT

NTS

1/2" LEAD-IN SAWCUT

NTS

CROSS-SECTION OF SAWCUTS

NTS

NOTES:

- ①. LOOP WIRE - NUMBER VARIES. (SEE LOOP WINDING DETAILS)
- ②. LEAD - IN WIRES: ONE PAIR FOR EACH LOOP SERVED. THREE PAIRS MAXIMUM PER SAWCUT.
3. EXTEND SAWCUT SUFFICIENT LENGTH TO PROVIDE FULL DEPTH AROUND CORNER.
4. STOP BAR DETECTION STUB-OUT TYPICALLY 13 FEET FROM STOP LINE.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015



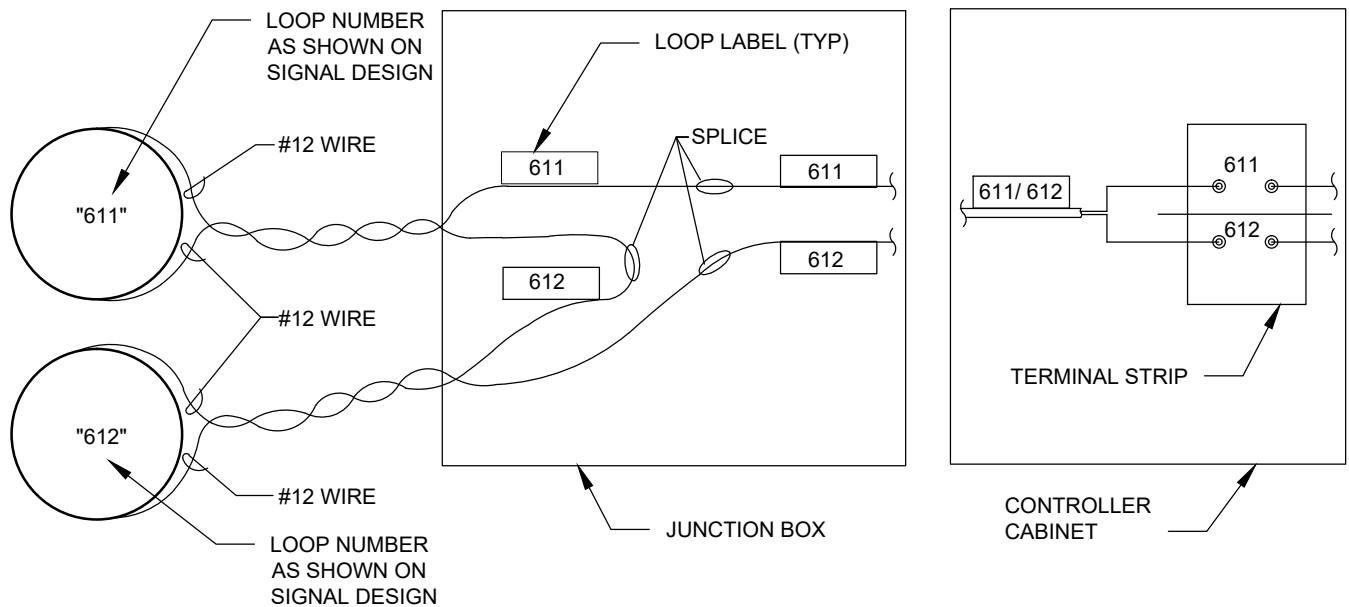
City of Redmond
WASHINGTON

STANDARD DETAILS

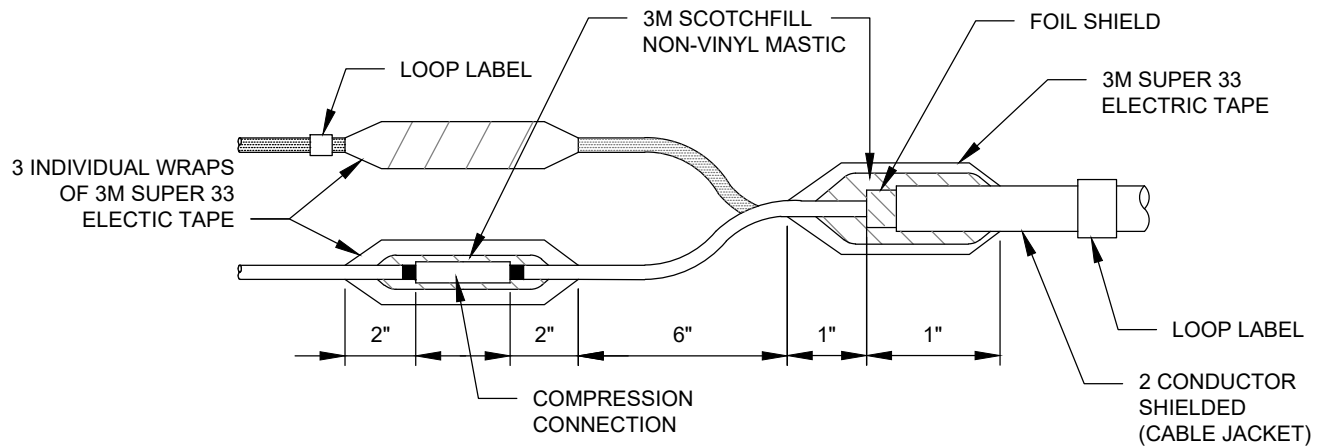
SAWCUT AND CONDUIT
UNDER CURB

FILE NAME: SD456.DWG

DETAIL NUMBER: 456



LOOP WIRE LABELING DETAIL
NTS



LOOP SPLICE DETAIL
NTS

Rob Crittenden

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REVISION DATE: JULY 01, 2015



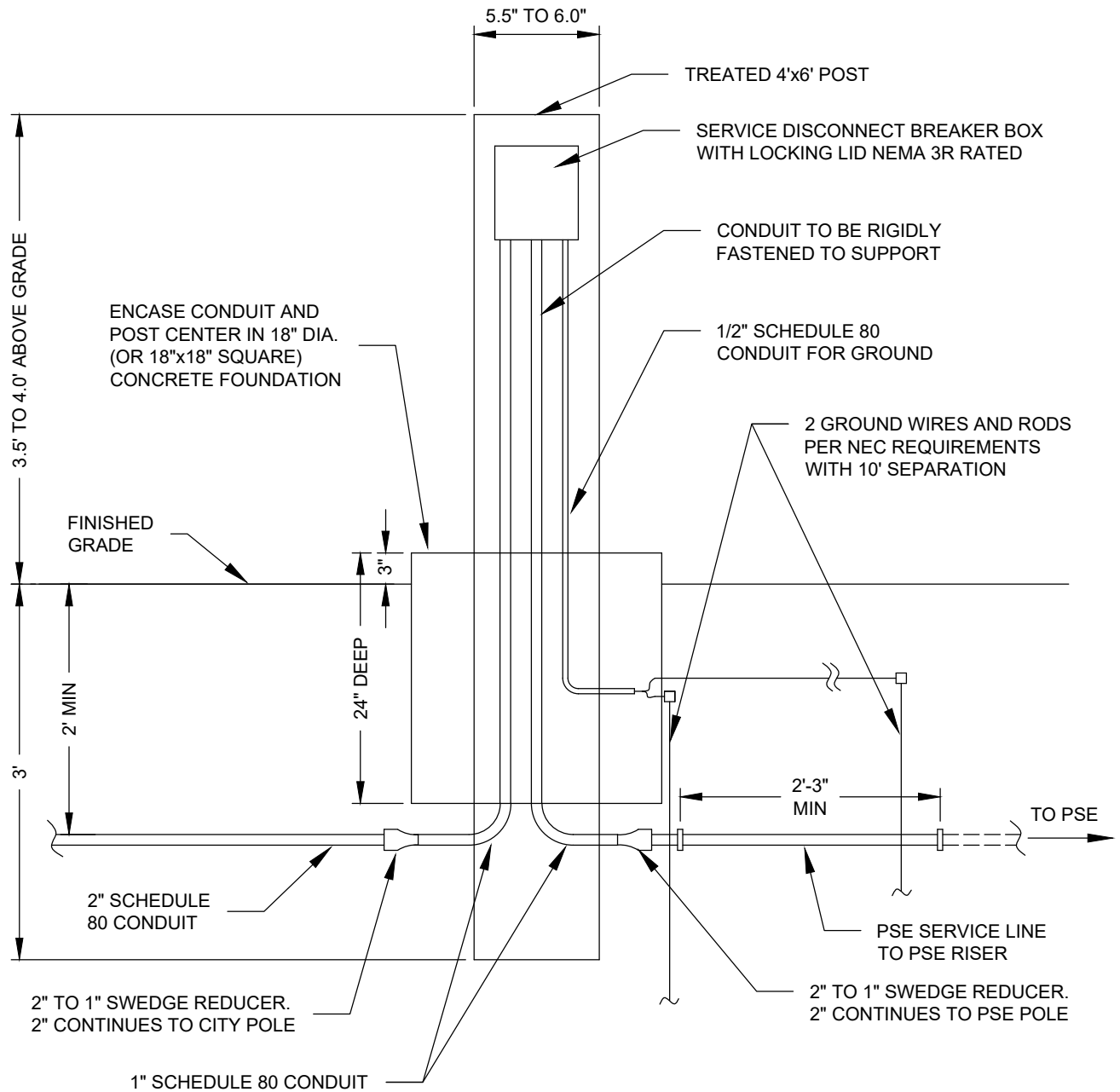
City of Redmond
WASHINGTON

STANDARD DETAILS

LOOP DETECTOR SPLICE AND
WIRING LABEL

FILE NAME: SD457.DWG

DETAIL NUMBER: 457



SERVICE DISCONNECT DETAIL

NTS

NOTES:

1. CONTRACTOR SHALL COORDINATE POWER SERVICE CONNECTION WITH PUGET SOUND ENERGY (PSE) AND CITY OF REDMOND.
2. SEE SPECIFICATION 9-29.24(1) FOR SERVICE DISCONNECT CABINET TYPE.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: MARCH 01, 2017

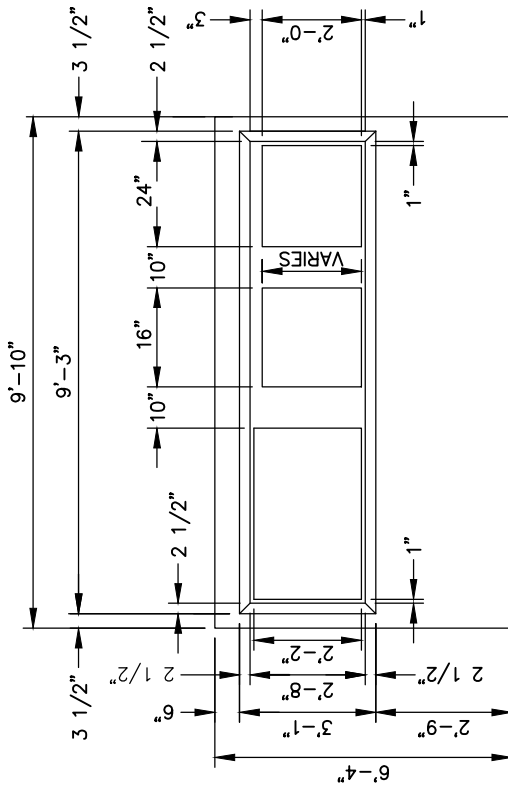
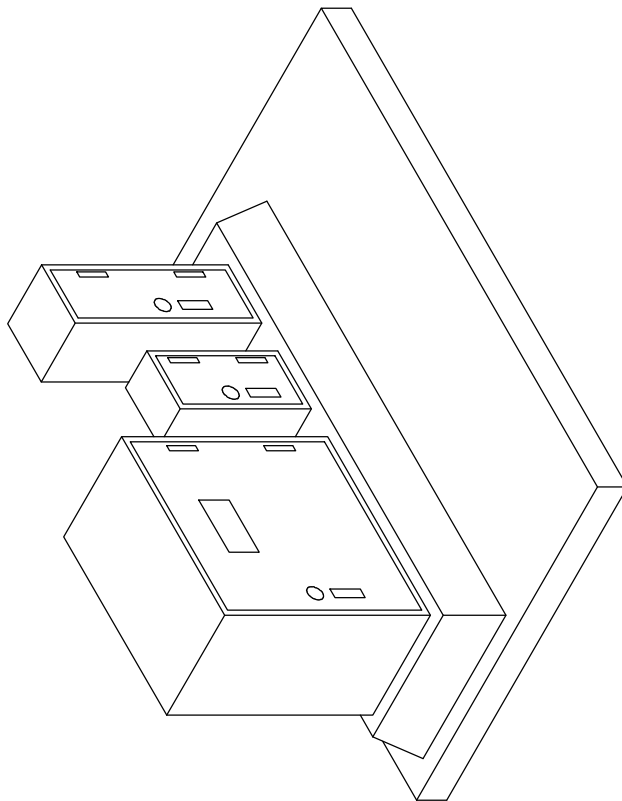


STANDARD DETAILS

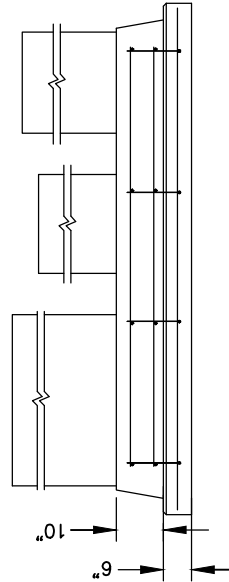
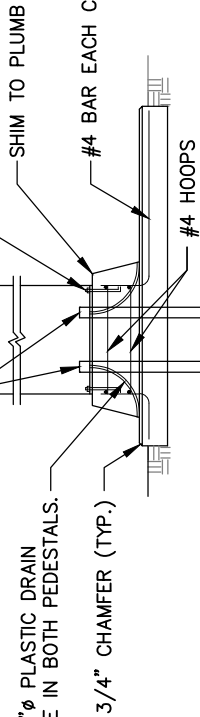
SERVICE DISCONNECT DETAIL

FILE NAME: SD458.DWG

DETAIL NUMBER: 458



ALL CONDUIT TO CLEAR LOWER BRACE OF CABINET BY 1/2" MIN. AND BE LOCATED IN FRONT (TOWARDS DOOR) HALF OF BASE



NOTES:

1. CABINET FOUNDATION SHALL BE CLASS 3000 AIR ENTRAINED CONCRETE.
2. WHERE CABINET FOUNDATION IS LOCATED ADJACENT TO A SIDEWALK, CONSTRUCT THE TOP FLUSH WITH SIDEWALK GRADE, OMITTING CHAMFER WHERE TOP AND SIDEWALK ABUT.
3. FOUNDATION DESIGN IS TYPICAL, CONTRACTOR SHALL UTILIZE CABINET MANUFACTURER'S SPECIFICATIONS TO ASSURE PROPER FIT OF CABINET ON BASE WITH RESPECT TO CONDUIT PLACEMENT. ENGINEER MUST APPROVE FORM WORK BEFORE PLACEMENT OF CONCRETE.
4. EXPANSION ANCHOR BOLTS (KWIK-BOLT, WEJ-IT, OR EQUAL) MAY BE USED TO FIT CABINETS TO EXISTING FOUNDATION.
5. SILICON SEAL SHALL BE PLACED BETWEEN CABINET AND BASE.
6. SEE PLANS FOR DOOR ORIENTATION.
7. A SPARE 3"Ø CONDUIT SHALL BE INSTALLED FROM CONTROLLER CABINET TO NEAREST J-BOX.
8. A 1"Ø CONDUIT SHALL BE INSTALLED UNDER SERVICE CABINET FOR GROUND.
9. IF UPS CABINET NOT PART OF PROJECT, INSTALL CITY FURNISHED CAP FOR EXPOSED CONDUITS.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: MARCH 01, 2016

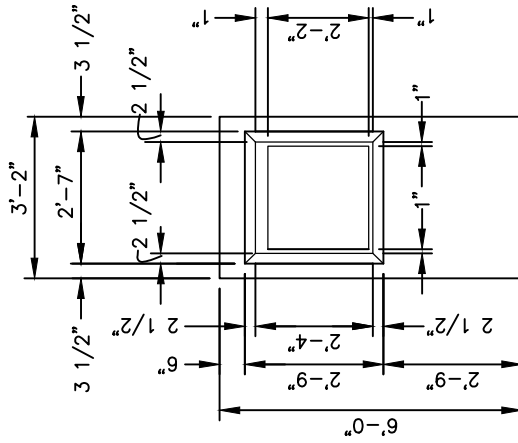
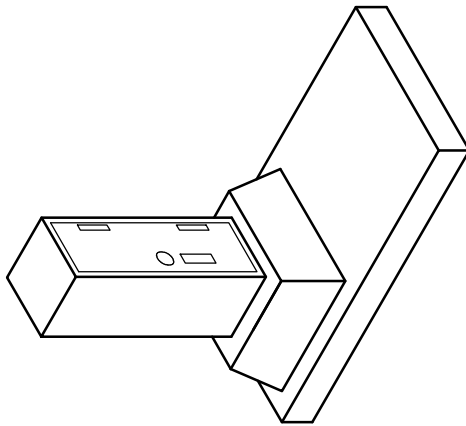


STANDARD DETAILS

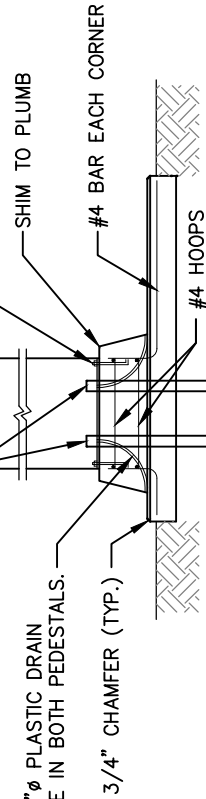
CABINET FOUNDATION

FILE NAME: SD459A.DWG

DETAIL NUMBER: 459A



ALL CONDUIT TO CLEAR LOWER BRACE OF CABINET BY 1/2" MIN. AND BE LOCATED IN FRONT (TOWARDS DOOR) HALF OF BASE.



NOTES:

1. CABINET FOUNDATION SHALL BE CLASS 3000 AIR ENTRAINED CONCRETE.
2. WHERE CABINET FOUNDATION IS LOCATED ADJACENT TO A SIDEWALK, CONSTRUCT THE TOP FLUSH WITH SIDEWALK GRADE, OMITTING CHAMFER WHERE TOP AND SIDEWALK ABUT.
3. FOUNDATION DESIGN IS TYPICAL, CONTRACTOR SHALL UTILIZE CABINET MANUFACTURER'S SPECIFICATIONS TO ASSURE PROPER FIT OF CABINET ON BASE WITH RESPECT TO CONDUIT PLACEMENT. INSPECTOR MUST APPROVE FORM WORK BEFORE PLACEMENT OF CONCRETE.
4. EXPANSION ANCHOR BOLTS (KWIK-BOLT, WEJ-IT, OR EQUAL) MAY BE USED TO FIT CABINETS TO EXISTING FOUNDATION.
5. SILICON SEAL SHALL BE PLACED BETWEEN CABINET AND BASE.
6. SEE PLANS FOR DOOR ORIENTATION.
7. A SPARE 3"Ø CONDUIT SHALL BE INSTALLED FROM CONTROLLER CABINET TO NEAREST J-BOX.
8. A 1"Ø CONDUIT SHALL BE INSTALLED UNDER SERVICE CABINET FOR GROUND.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015

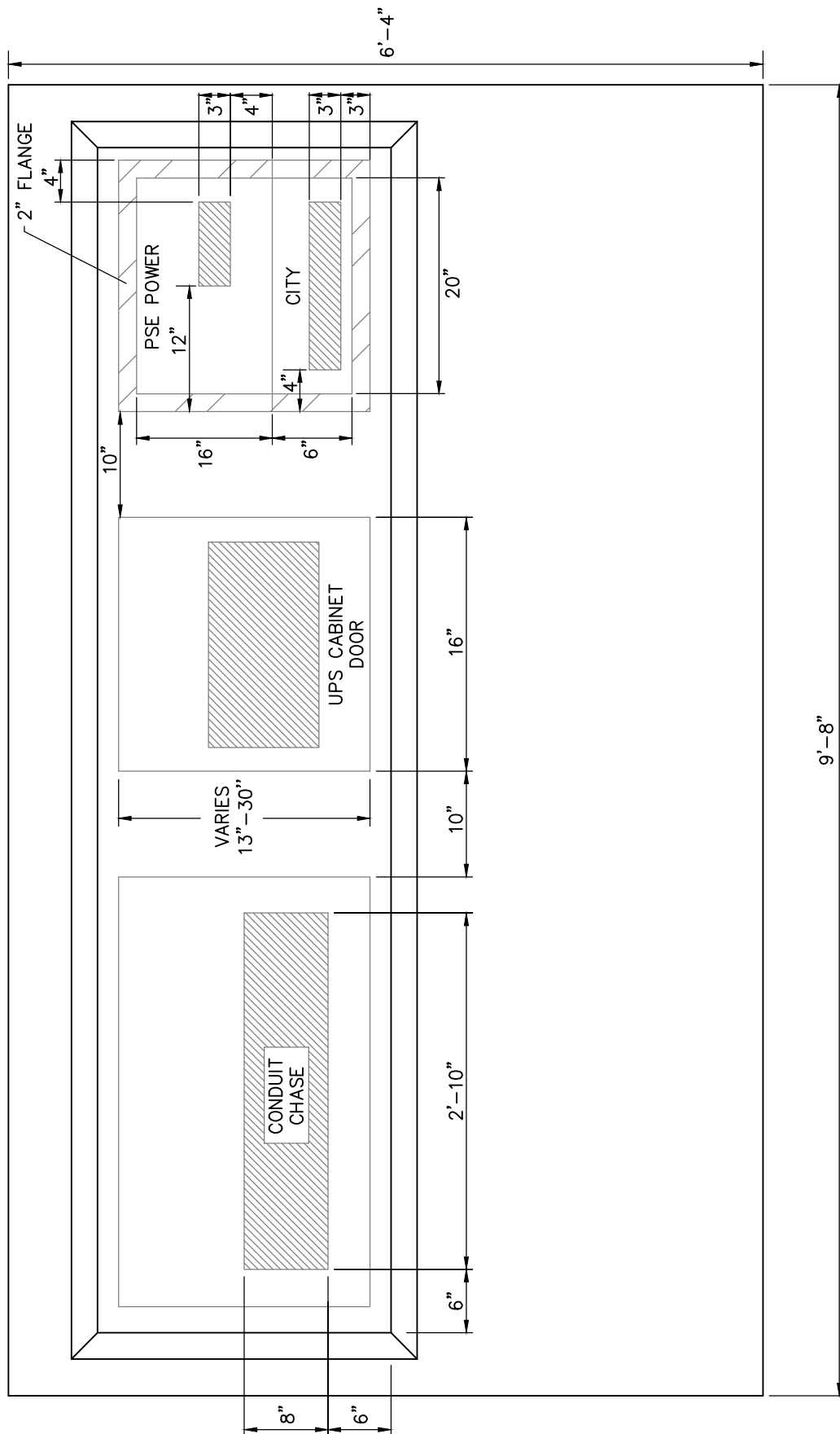


STANDARD DETAILS

SERVICE CABINET FOUNDATION

FILE NAME: SD459C.DWG

DETAIL NUMBER: 459C



NOTE: ENSURE CABINET DOORS CAN OPEN FULLY.

Rob Crittenden

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TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: MARCH 01, 2016



STANDARD DETAILS

CONTROLLER AND SERVICE
CABINET FOOTPRINT

FILE NAME: SD460.DWG

DETAIL NUMBER: 460

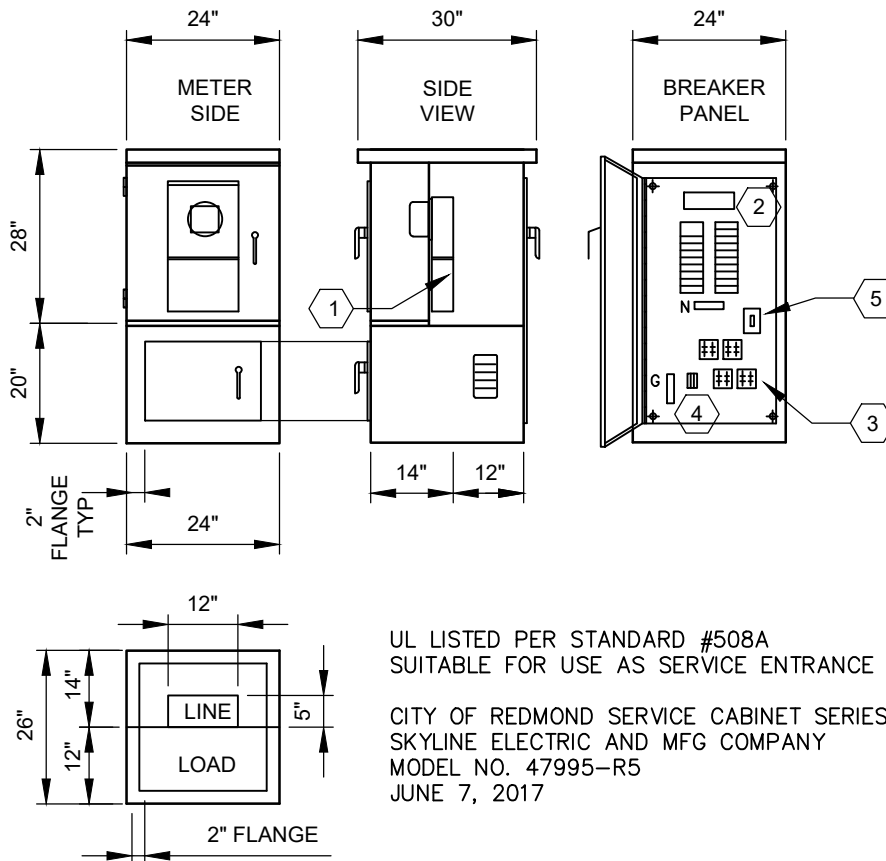
COMPONENT SCHEDULE

- 1 METER BASE: 200 AMP, BYPASS TYPE, 4 JAW, SINGLE PHASE, WITH 5TH JAW INSTALLED AT 9:00 POSITION, B-LINE U264
- 2 PANELBOARD: 120/240 VAC, 1 PHASE, 3 WIRE, 250 AMP COPPER BUS (WITH RATING LABEL), MAIN BREAKER 200A FRAME, 125 AMP TRIP, 2 POLE, EATON ED2125 65K AIC SERIES RATED BOLT-ON BRANCH BREAKERS, EATON TYPE BAB, 12 CKT
 3-15/2 ILLUMINATION BRANCH
 2-20/1 SPARE (IF TRAFFIC SIGNAL USED, REPLACE ONE WITH 1-50/1)
 1-15/1 CONTROL BRANCH
- 3 CONTACTORS: SQUARE D 8910DPA32V02U1, LIGHTING RATED, 30 AMP, 2 POLE, 120 VAC COIL
- 4 TERMINAL BLOCK: FOR FIELD WIRE CONNECTION TO REMOTE PHOTOCELL
- 5 PHOTOCELL BYPASS SWITCH: LEVETON 1223-2W, SPDT, 20 AMP, 277 VAC 3-WAY SWITCH

CABINET: NEMA 3R PADMOUNT, 1/8" ALUMINUM 5052-H32 CONSTRUCTION, TWO (2) SCREENED AND GASKETED VENTS

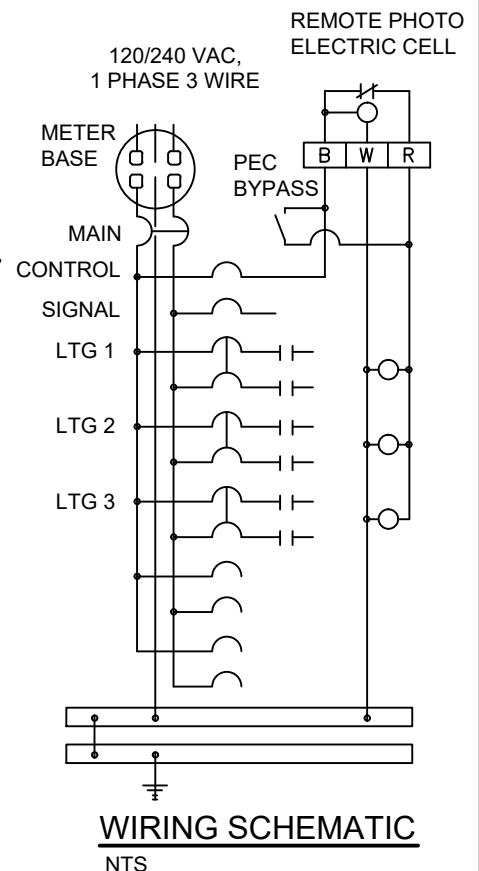
DOORS: HEAVY DUTY HINGES (LIFT-OFF TYPE), WELDED IN PLACE, STAINLESS STEEL VAULT HANDLES, PADLOCKABLE METER DOOR, BEST BRAND MODEL CX LOCK ON DISTRIBUTION DOOR, POLISHED WIRE GLASS WINDOW IN METER DOOR, CLOSED CELL NEOPRENE GASKET, CARD HOLDER

FINISH: OUTSIDE FINISH SHALL BE ANSI 61 GRAY POLYESTER POWDERCOAT OVER ZINC PRIME. INSIDE AND DEADFRONT SHALL BE WHITE.



UL LISTED PER STANDARD #508A
 SUITABLE FOR USE AS SERVICE ENTRANCE
 CITY OF REDMOND SERVICE CABINET SERIES
 SKYLINE ELECTRIC AND MFG COMPANY
 MODEL NO. 47995-R5
 JUNE 7, 2017

SERVICE CABINET
 NTS



WIRING SCHEMATIC
 NTS

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
 TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: MARCH 01, 2018

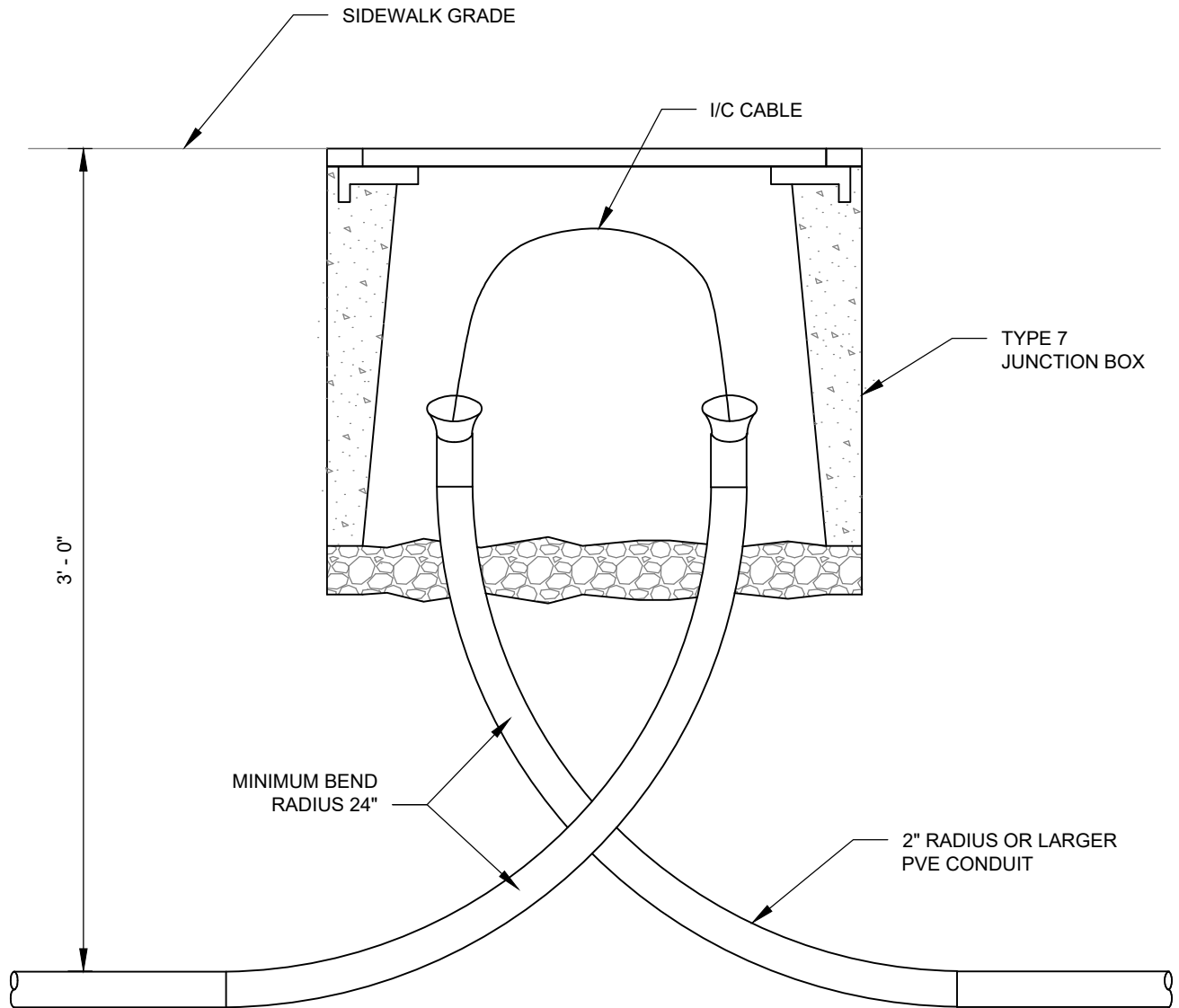


STANDARD DETAILS

SERVICE CABINET

FILE NAME: SD461.DWG

DETAIL NUMBER: 461



NOTES:

1. CONDUIT PLACEMENT SHALL FACILITATE 2' - 0" MINIMUM CABLE BEND.
2. STANDARD DETAIL 464 FOR JUNCTION BOX IN SOFT AREAS.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015



City of Redmond
WASHINGTON

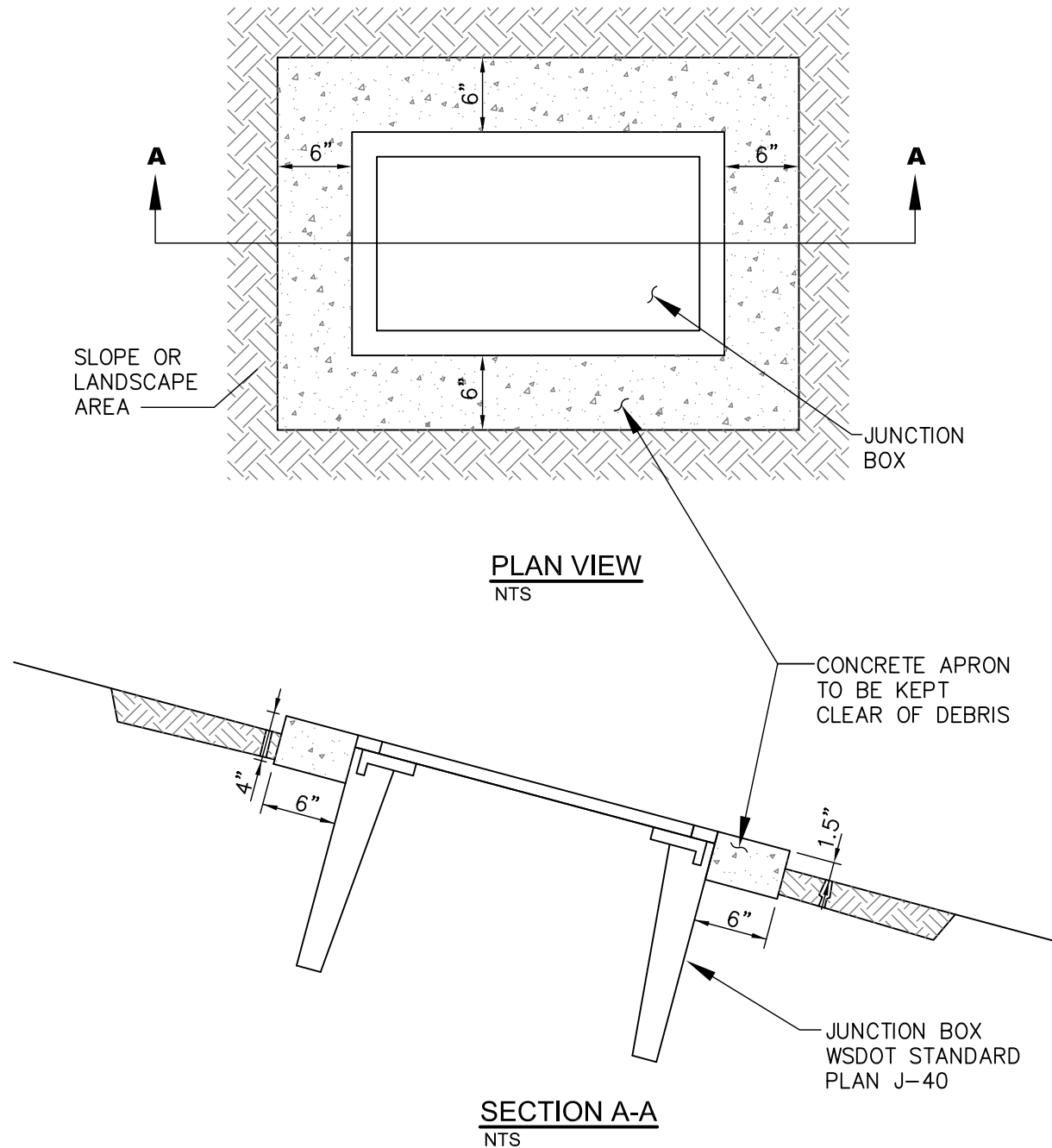
STANDARD DETAILS

INTERCONNECT CABLE AND
CONDUIT JUNCTION BOX

FILE NAME: SD462.DWG

DETAIL NUMBER: 462

JUNCTION BOX ON SLOPE OR LANDSCAPE AREAS



FOR NEW CONSTRUCTION AND MODIFICATION OF EXISTING J-BOX

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2014

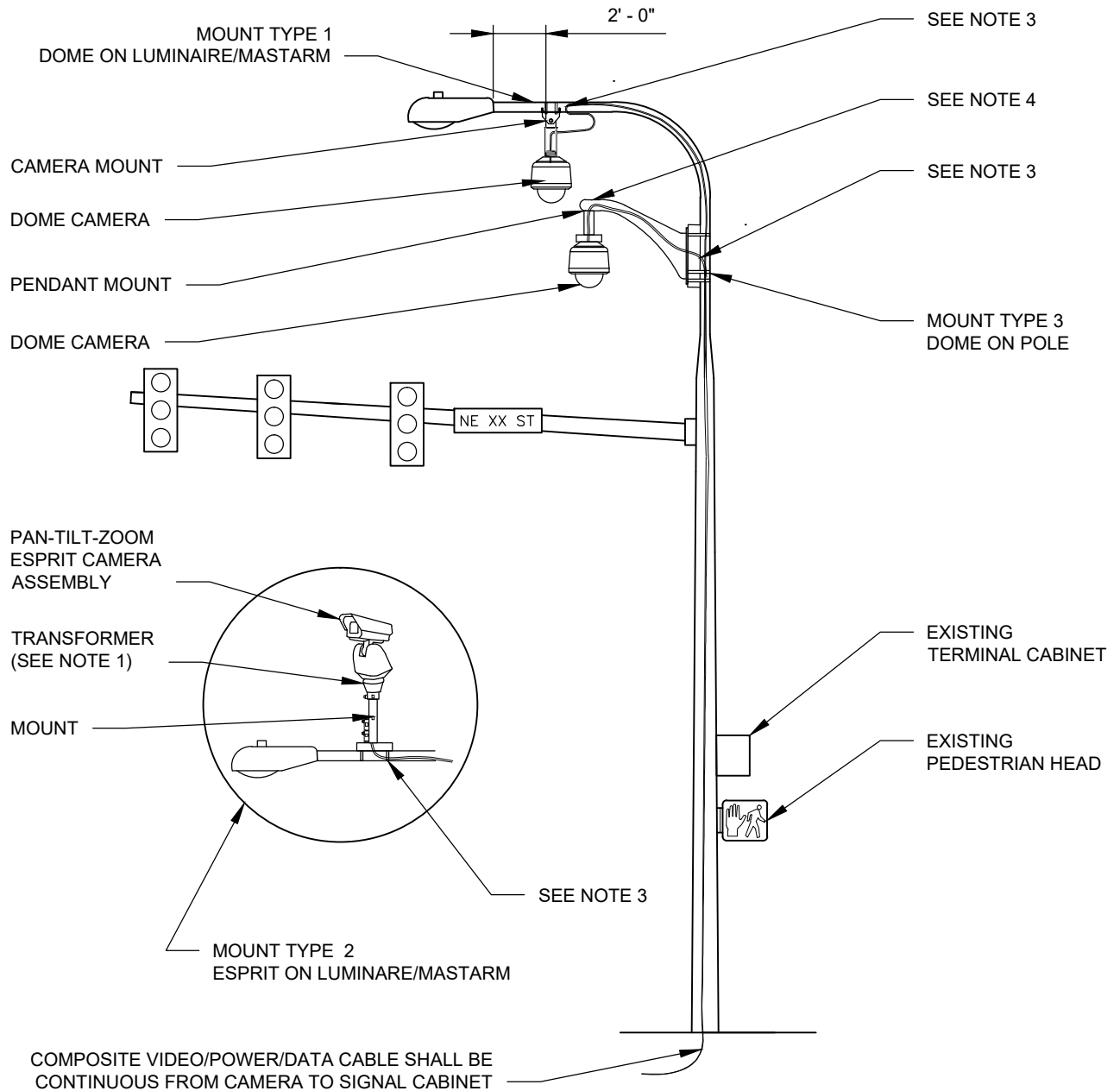


STANDARD DETAILS

**JUNCTION BOX ON SLOPE OR
SOFT AREAS**

FILE NAME: SD464.DWG

DETAIL NUMBER: **464**



NOTES:

1. THE CONTRACTOR SHALL CONNECT THE POWER CONDUCTORS OF THE COMPOSITE CABLE TO THE TRANSFORMER IN THE TRANSFORMER BOX OF THE ESPRIT CAMERA. POWER CONDUCTORS ARE PROVIDED FROM THE TRANSFORMER TO THE CAMERA. THE TRANSFORMER FOR THE DOME CAMERAS WILL BE LOCATED IN THE CONTROLLER CABINET.
2. ATTACH POLE-MOUNTED CAMERAS DIRECTLY BELOW THE BEND IN THE LUMINAIRE ARM OR BELOW THE LUMINAIRE ARM ATTACHMENT POINT IF ONE EXISTS UNLESS OTHERWISE SPECIFIED ON THE PLANS.
3. DRILL 1.0-INCH TAPPED HOLE IN POLE, MAST ARM, OR LUMINAIRE ARM FOR CAMERA CABLE ENTRANCE. INSERT 1.0-INCH ALUMINUM THREADED STRAIN RELIEF TO PROTECT CABLE ENTERING POLE AND PROVIDE WATERTIGHT FIT.
4. THE WIRE ACCESS PANEL ON THE TOP OF THE PENDANT ARM SHALL BE PACKED WITH DUCT SEAL TO BLOCK MOISTURE PENETRATION.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: MARCH 01, 2016

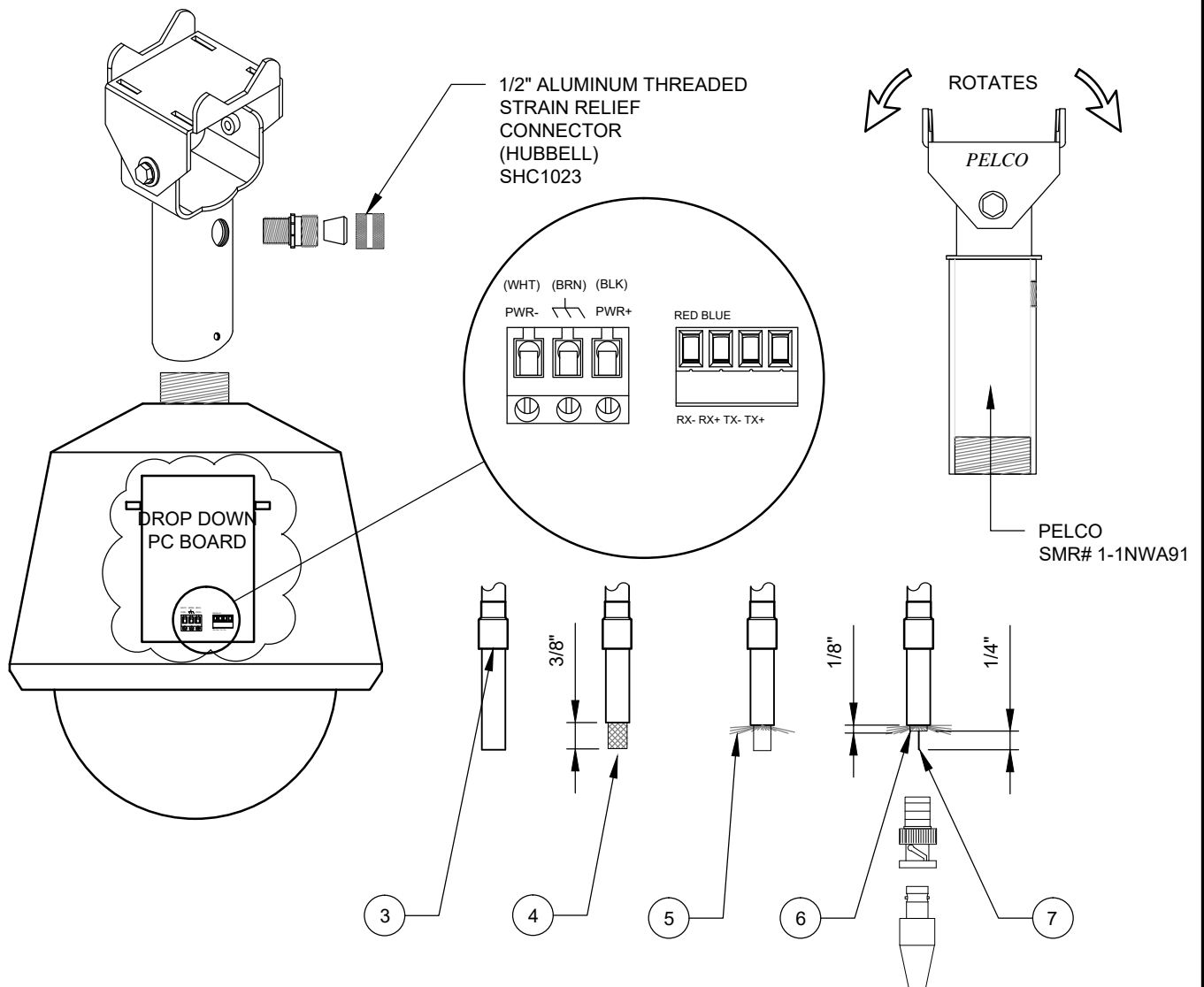


STANDARD DETAILS

CCTV CAMERA
MOUNTING

FILE NAME: SD465.DWG

DETAIL NUMBER: 465



CCTV VIDEO CABLE CONNECTION

NTS

BNC CONNECTOR #3071-75

NTS

NOTES:

1. INSERT CABLE THROUGH CONNECTOR AND CAMERA HOUSING. LEAVE SUFFICIENT SLACK FOR THE PTZ CONNECTIONS.
2. USE PROPER TOOLS TO STRIP AND CRIMP RG59/U CABLE AND BNC CONNECTOR.
3. INSERT BNC BOOT ON CABLE FIRST.
4. STRIP INSULATION BACK 3/8" EXPOSING COPPER SHIELD.
5. FOLD BACK COPPER SHIELD.
6. CUT OFF DIELECTRIC LEAVING 1/8" FROM COPPER SHIELD.
7. EXPOSE MINIMUM 1/4" OF SOLID COPPER CONDUCTOR.
8. INSERT COPPER WIRE INTO BNC CONNECTOR. FOLD COPPER SHIELD OVER BNC CONNECTOR. MAKE SURE NO COPPER SHIELD CONTACTS CENTER CONDUCTOR.
9. SLIDE BNC BOOT OVER COPPER SHIELD AND BNC CONNECTOR. CRIMP BOOT ONTO THE CONNECTOR AND CABLE.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: MARCH 01, 2016



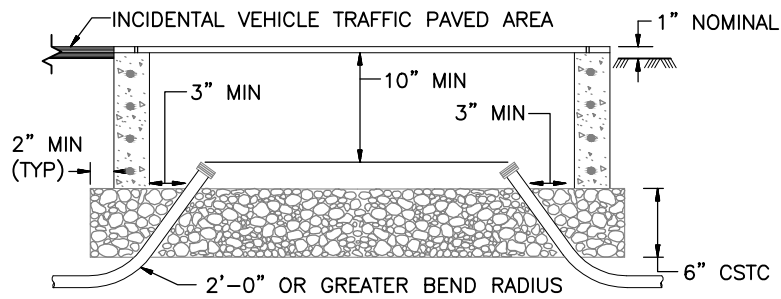
City of Redmond
WASHINGTON

STANDARD DETAILS

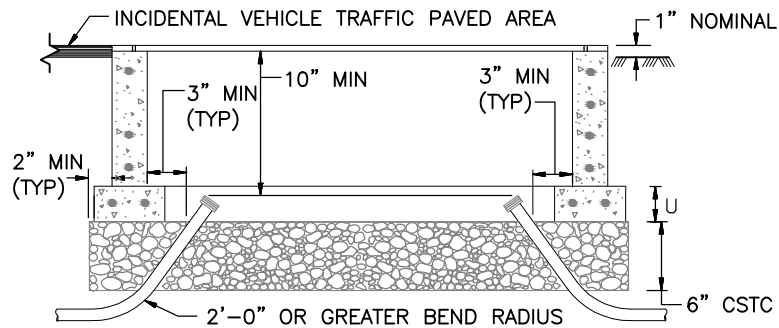
CCTV VIDEO CABLE
CONNECTION

FILE NAME: SD465A.DWG

DETAIL NUMBER: 465A

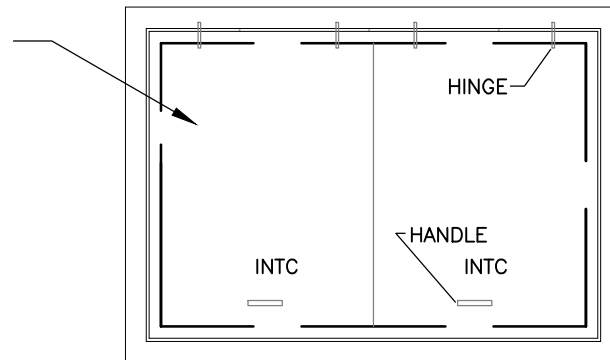


TYPE 1 OR 2 JUNCTION BOX INSTALLATION DETAIL
NTS

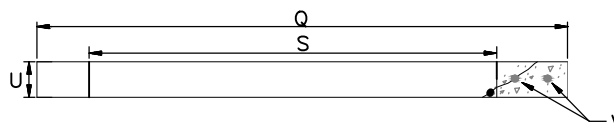


TYPE 7 JUNCTION BOX INSTALLATION DETAIL
NTS

NON SKID COATING
IKG-MEBAC1 HARSCO
INDUSTRIAL 9-29.2



DUAL LID DETAIL - TYPE 7
NTS



FOUNDATION ELEVATION - TYPE 7
NTS

Rob Crittenden

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TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015



STANDARD DETAILS

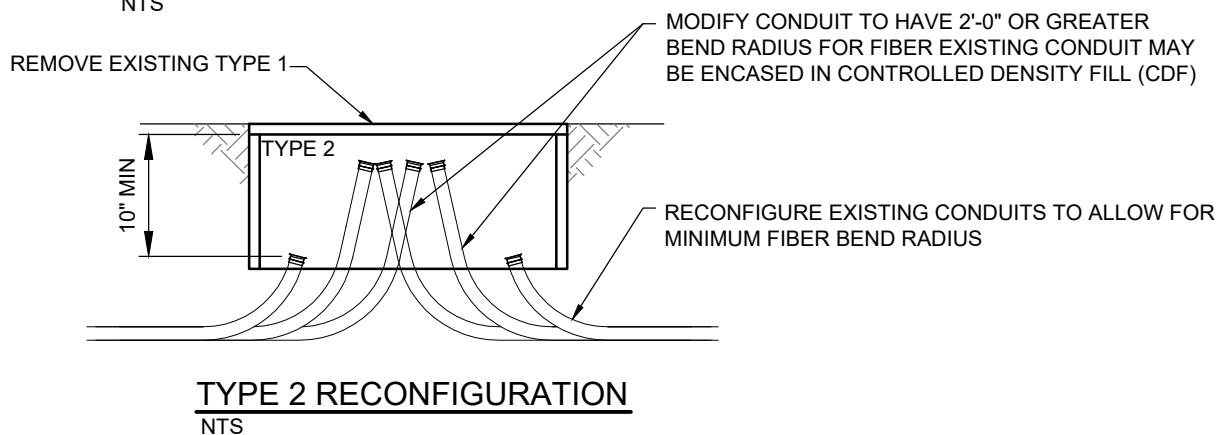
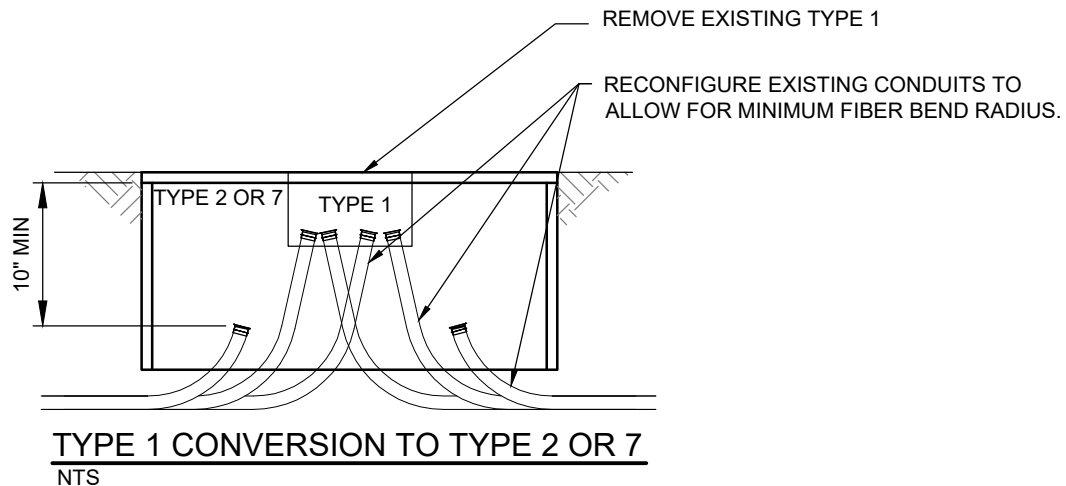
JUNCTION BOX DETAILS 1 OF 2

FILE NAME: SD467A.DWG

DETAIL NUMBER: 467A

NOTES:

1. ALL BOX DIMENSIONS ARE NOMINAL. EXACT CONFIGURATIONS VARY AMONG DIFFERENT MANUFACTURERS.
2. THE NOTED LID THICKNESS ARE OVERALL MINIMUMS. THE DIAMOND PATTERN FOR TYPE 1 AND 2 BOXES SHALL BE 28% MINIMUM OF OVERALL THICKNESS. THE DIAMOND PATTERN FOR TYPE 7 BOXES SHALL HAVE A MINIMUM THICKNESS OF $\frac{3}{32}$ "
3. LID SUPPORT MEMBERS SHALL BE $\frac{3}{16}$ " MIN. THICK STEEL C, L OR T SHAPE WELDED TO THE FRAME.
4. WHEN SPECIFIED IN THE CONTRACT, TYPE 2 AND TYPE 7 BOXES SHALL BE PROVIDED WITH 12" DEEP EXTENSION BOXES.
5. A $\frac{1}{4}$ " NC X $\frac{3}{4}$ " STAINLESS STEEL GROUND STUD WITH S.S. NUT SHALL BE WELDED TO THE BOTTOM OF THE LID.
6. SEE THE STANDARD SPECIFICATIONS FOR ALTERNATE USE OF REINFORCEMENT.
7. WHEN REPLACING AN EXISTING JUNCTION BOX, THE END OF EACH EXISTING CONDUIT FOR NEW FIBER OPTIC CABLE INSTALLATION SHALL BE CUT BACK AND REPLACED WITH A 45 DEGREE FACTORY BEND WITH A MINIMUM 24" BENDING RADIUS. IF NECESSARY, EXISTING CABLES SHALL BE DISCONNECTED, REMOVED, LABELED, REINSTALLED AND RECONNECTED BY CONTRACTOR. COR SHALL BE NOTIFIED AT LEAST 3 WORKING DAYS PRIOR TO ANY WORK IN A COR CABINET.
8. JUNCTION BOX PLACED IN STREET SHALL BE H-35 TRAFFIC BEARING OR HIGHER.
9. THE TYPE 7 LIDS SHALL BE GALVANIZED AND BOTH LIDS SHALL BE BONDED. HINGES SHALL ALLOW THE LID TO OPEN 180°.
10. ALL CONDUIT SHALL HAVE BELL ENDS.
11. JUNCTION BOXES WITHIN SIDEWALK SHALL HAVE NON-SKID LIDS. IKG-MEBAC1 HARSCO INDUSTRIAL.
12. EXISTING JUNCTION BOXES WITHIN SIDEWALK SHALL BE RETROFITTED WITH NON-SKID LIDS.
13. EXISTING JUNCTION BOXES THAT ARE MODIFIED INCLUDING NEW CONDUCTORS PULLED SHALL MEET CURRENT GROUNDING AND BONDING REQUIREMENTS.



Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015

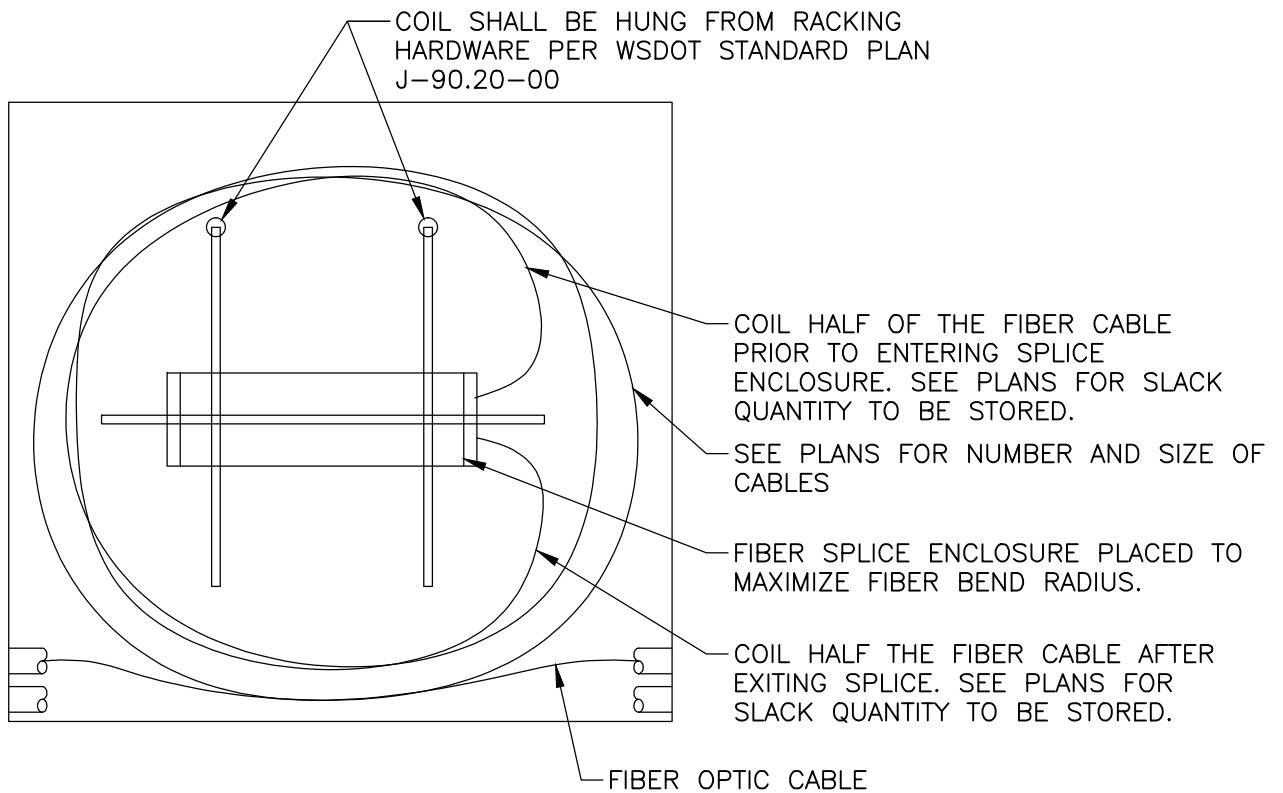


STANDARD DETAILS

JUNCTION BOX DETAILS 2 OF 2

FILE NAME: 467B.DWG

DETAIL NUMBER: 467B



FIBER SPLICE ENCLOSURE AND CABLE STORAGE
NTS

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

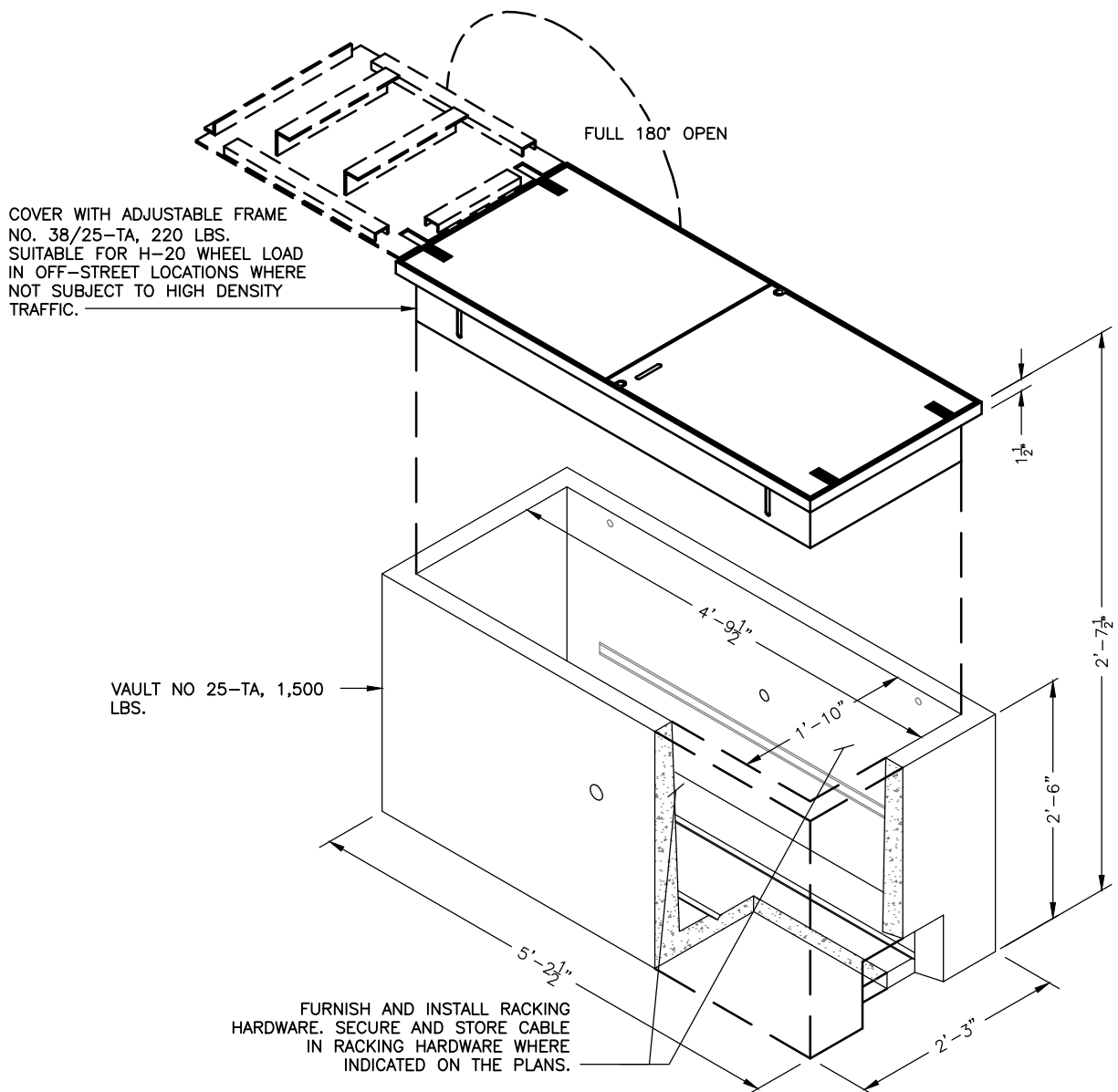
REVISION DATE: MARCH 01, 2016



STANDARD DETAILS

FIBER SPLICE AND STORAGE
DETAILS 1 OF 2

FILE NAME: SD468B.DWG DETAIL NUMBER: 468B



25-TA VAULT

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
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REVISION DATE: MARCH 01, 2016

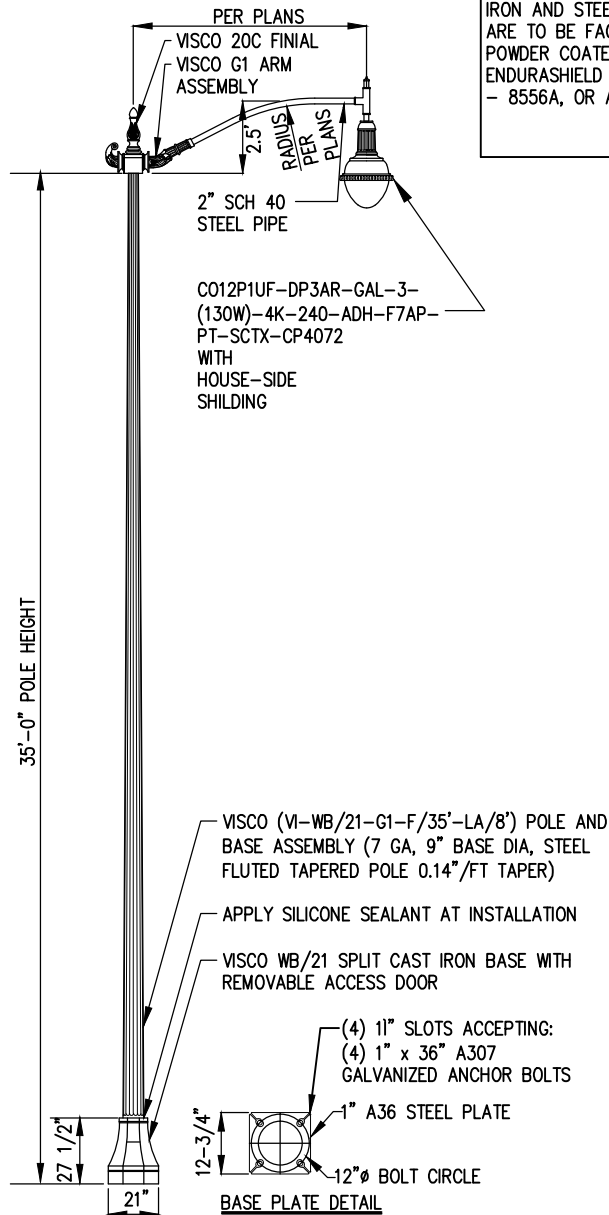


City of Redmond
WASHINGTON

STANDARD DETAILS

FIBER SPLICE AND STORAGE
DETAILS 2 OF 2

FILE NAME: SD468C.DWG DETAIL NUMBER: 468C



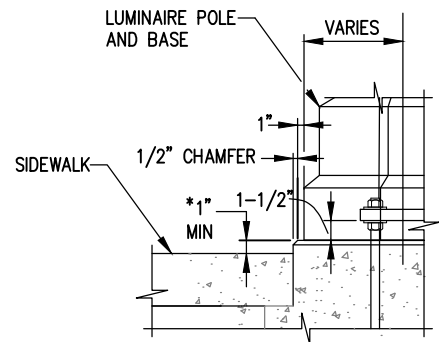
ROADWAY LUMINAIRE AND POLE

NTS

NOTES:

1. HAND HOLE ACCESS DOOR SHALL BE MOUNTED AT 270°
2. HAND HOLE ACCESS DOOR FOR RECEPTACLE SHALL BE MOUNTED AT 90°

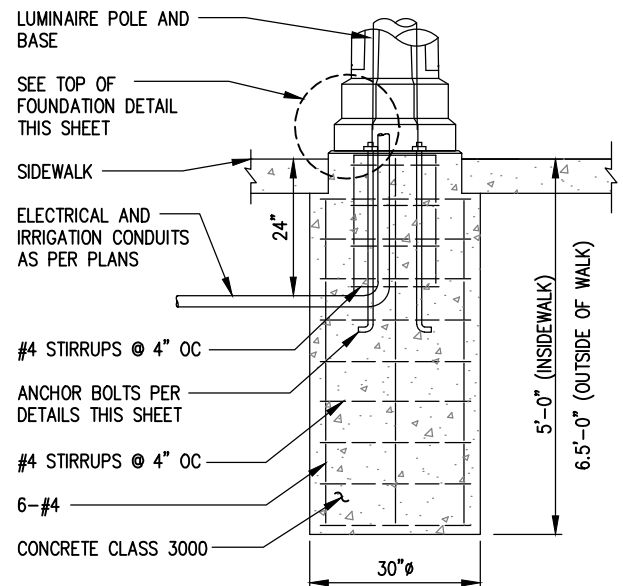
PAINT SPECIFICATIONS: ALL CAST
IRON AND STEEL LIGHT POLE PARTS
ARE TO BE FACTORY POLYESTER
POWDER COATED WITH PEKING BLUE,
ENDURASHIELD TREMEC #F073B2705A
- 8556A, OR APPROVED EQUAL.



* TOP OF FOUNDATION TO BE LEVEL, 1" MIN
HEIGHT ABOVE TOP OF SIDEWALK

TOP OF FOUNDATION DETAIL

NTS



LUMINAIRE POLE AND FOUNDATION DETAIL

NTS

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015



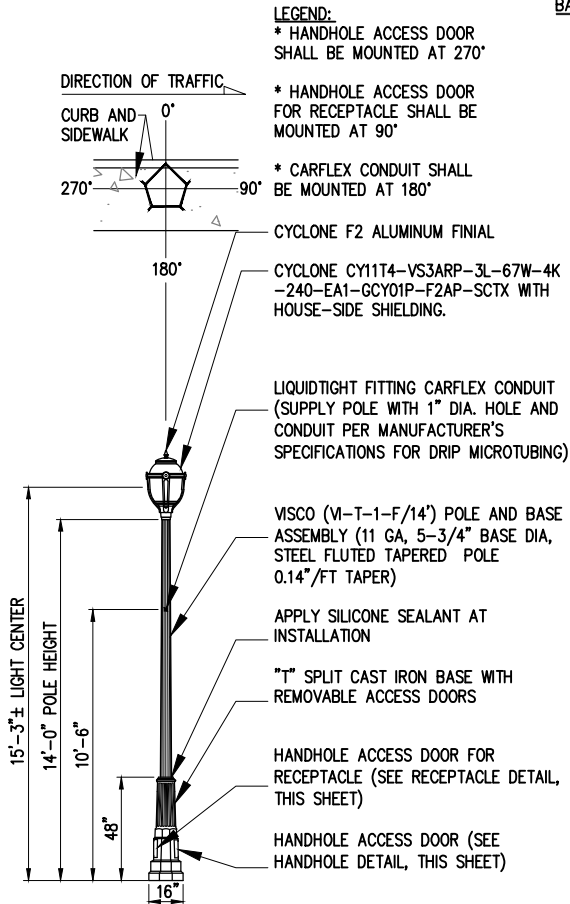
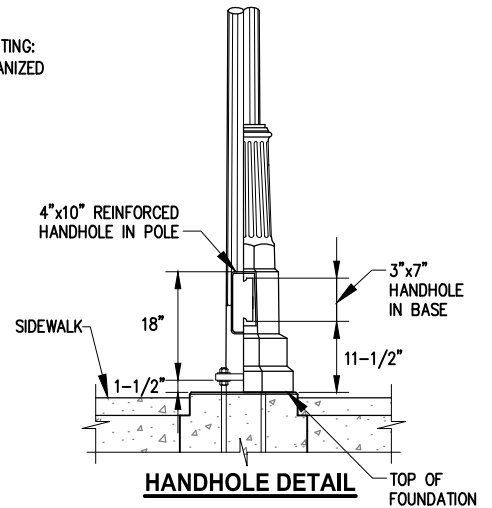
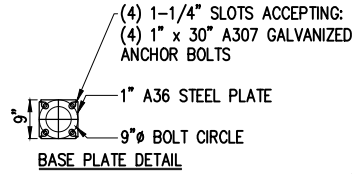
STANDARD DETAILS

ROADWAY LUMINAIRE AND POLE

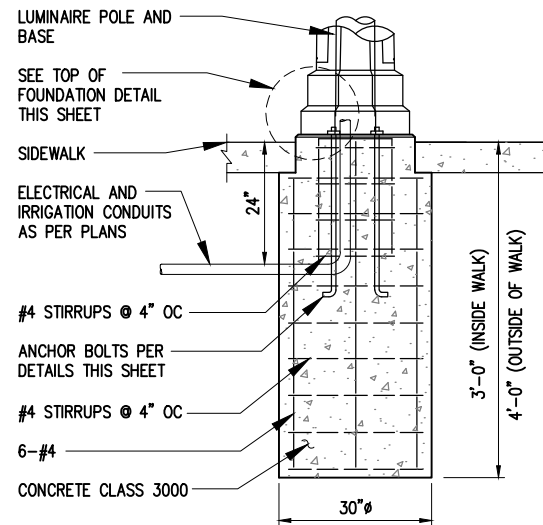
FILE NAME: SD470.DWG

DETAIL NUMBER: 470

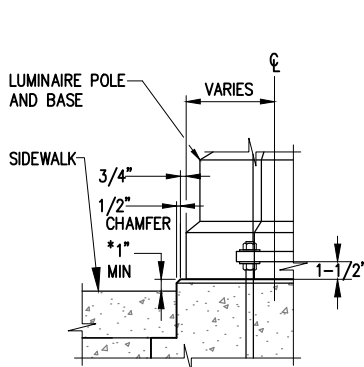
PAINT SPECIFICATIONS: ALL CAST IRON AND STEEL LIGHT POLE PARTS ARE TO BE FACTORY POLYESTER POWDER COATED WITH PEKING BLUE, ENDURASHIELD TREMEC #F073B2705A - 8556A, OR APPROVED EQUAL.



PEDESTRIAN LUMINAIRE AND POLE

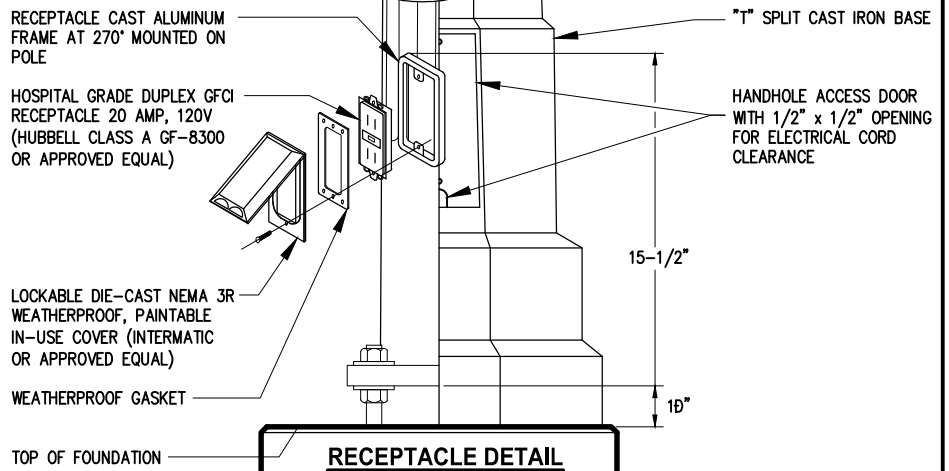


LUMINAIRE POLE FOUNDATION DETAIL



* TOP OF FOUNDATION TO BE LEVEL, 1" MIN HEIGHT ABOVE TOP OF SIDEWALK

TOP OF FOUNDATION DETAIL



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REVISION DATE: JULY 01, 2015



STANDARD DETAILS

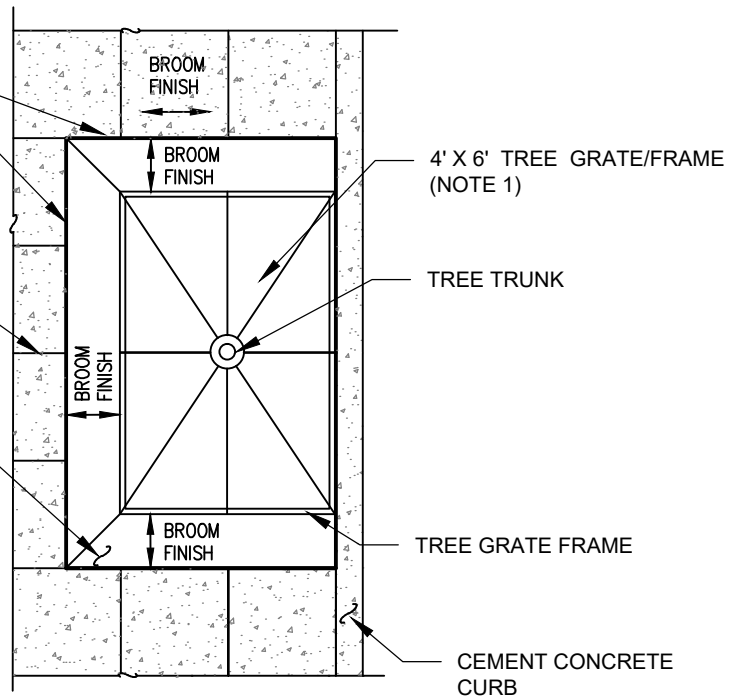
PEDESTRIAN LUMINAIRE
AND POLE

FILE NAME: SD471.DWG DETAIL NUMBER: 471

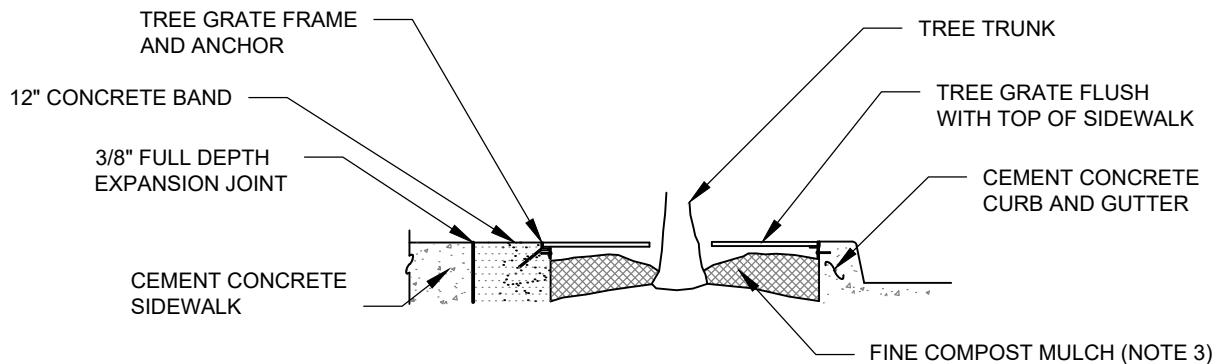
FULL DEPTH 3/8" EXPANSION JOINT. SCORE TO BE SAWCUT AT 1/2" DEPTH X 1/8" WIDE. NO SHINE, NO RADIUS ON EDGE, NO SMOOTH FLANGE ALONG EITHER SIDE OF JOINT.

NOTE 2

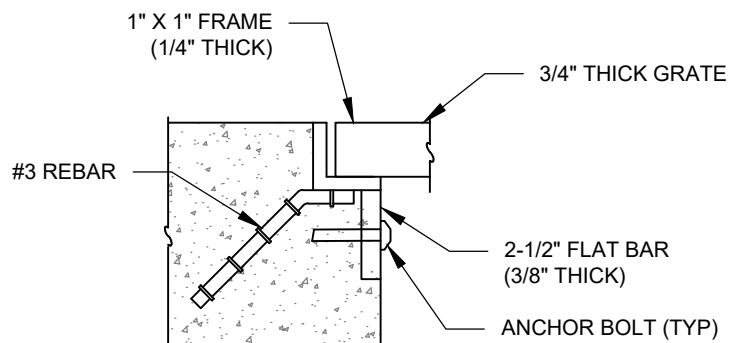
12" CONCRETE BAND WITH LIGHT BROOM FINISH IN DIRECTION SHOWN



PLAN VIEW
NTS



CROSS SECTION
NTS



ANCHOR DETAIL
NTS

NOTES:

1. TREE GRATE/FRA ME AS APPROVED BY CITY ENGINEER.
2. SEE STANDARD DETAIL 303B FOR SIDEWALK SCORING.
3. SEE STANDARD DETAIL 907 FOR STRUCTURAL SOIL FOR STREET TREES.

Donald Cairns

APPROVED BY: DONALD CAIRNS
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REVISION DATE: MARCH 01, 2018

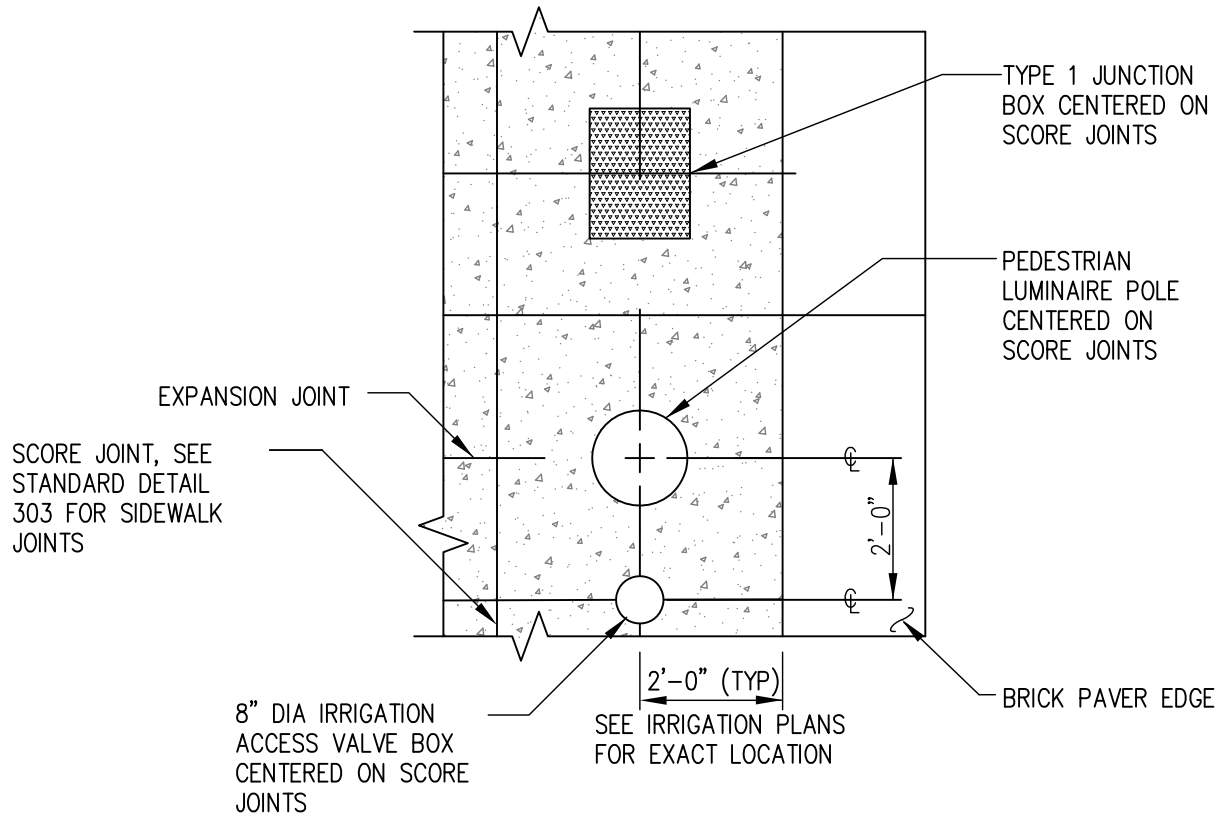


STANDARD DETAILS

DOWNTOWN AND OVERLAKE
TREE GRATE DETAIL FOR
FURNITURE ZONES

FILE NAME: SD473.DWG

DETAIL NUMBER: 473



PEDESTRIAN LUMINAIRE LOCATION AND PAVEMENT SCORING

NTS

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TRANSPORTATION PLANNING AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2014



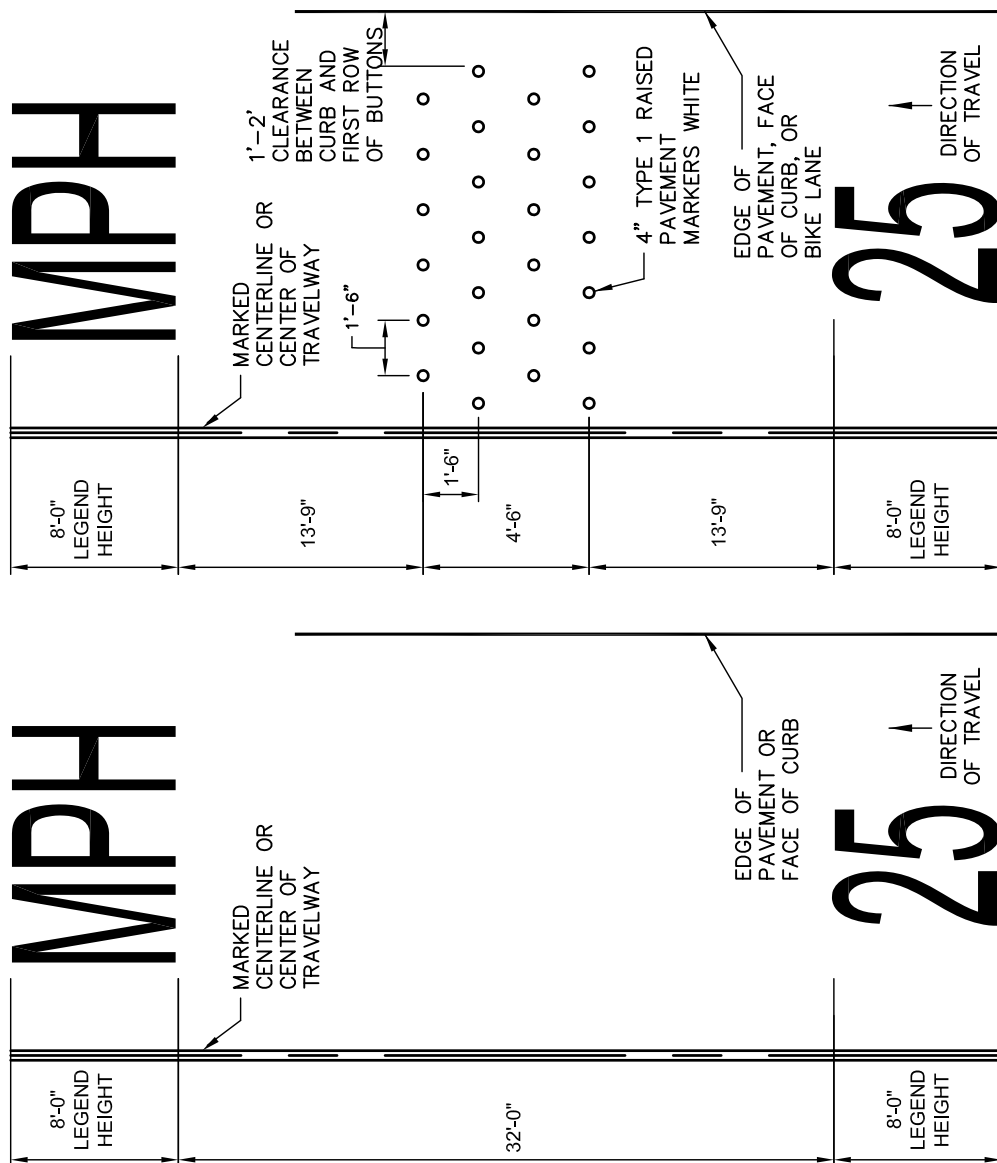
City of Redmond
WASHINGTON

STANDARD DETAILS

PEDESTRIAN LUMINAIRE LOCATION AND PAVEMENT SCORING

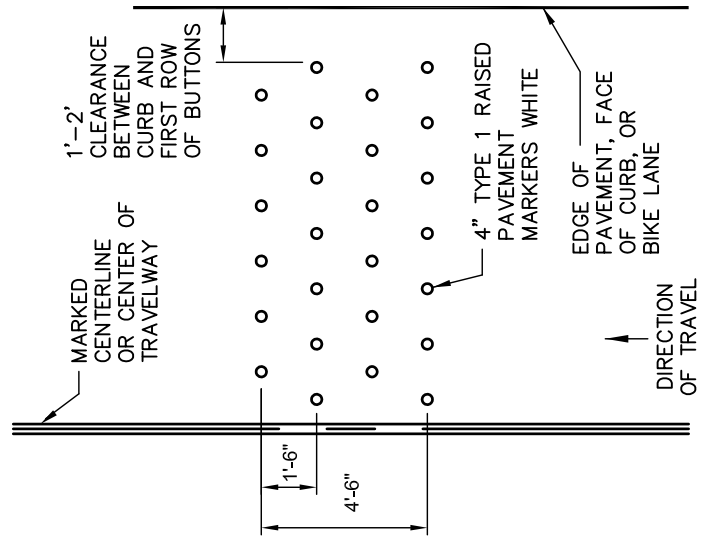
FILE NAME: SD474.DWG

DETAIL NUMBER: **474**



NOTES:

1. PLACE RUMBLE STRIP ACROSS ENTIRE ROADWAY WIDTH IF NO CENTERLINE EXISTS.
2. LEGEND MATERIAL USED SHALL BE THERMOPLASTIC, HOT APPLIED OR HEAT FUSED PREFORMED (90 MIL. MIN.), UNLESS APPROVED BY THE ENGINEER.



**RUMBLE STRIP WITH
25 MPH LEGEND**
NTS

RUMBLE STRIP
NTS

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

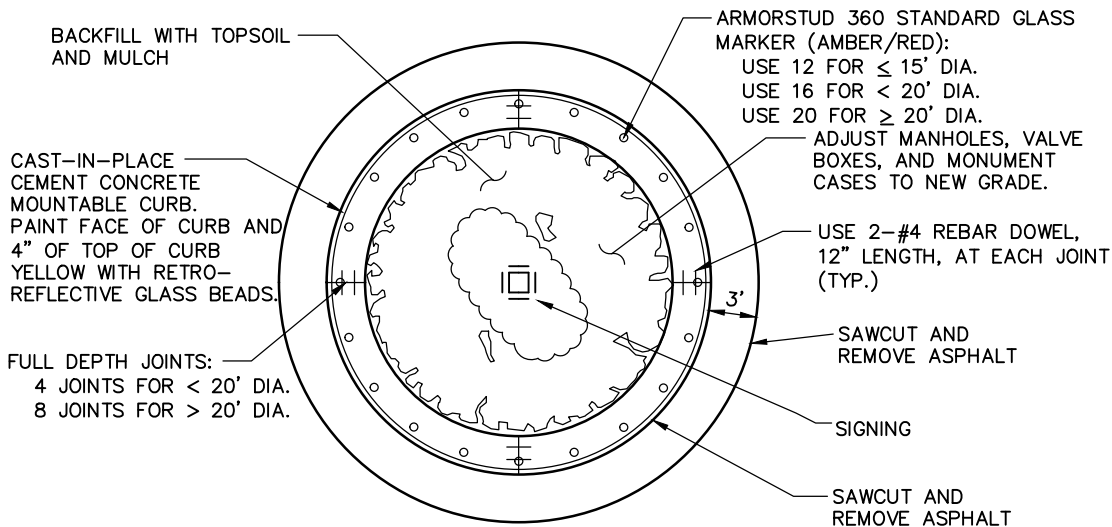
REVISION DATE: JULY 01, 2014



STANDARD DETAILS

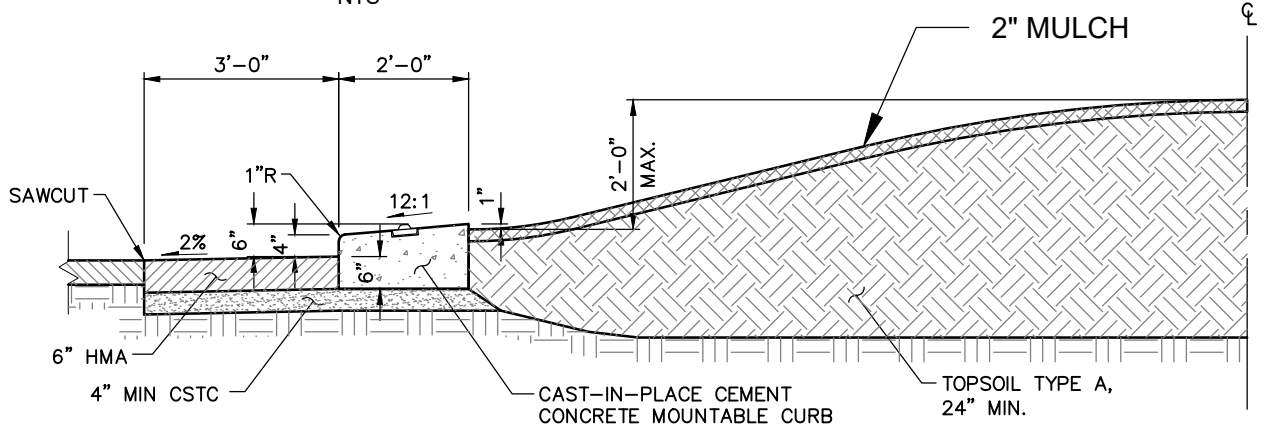
**RUMBLE STRIP AND
25 MPH LEGEND**

FILE NAME: SD476.DWG DETAIL NUMBER: **476**



TYPICAL TRAFFIC CIRCLE

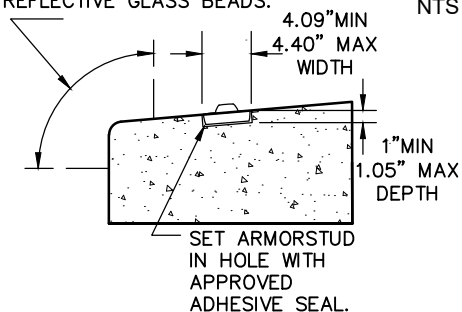
NTS



PAINT FACE OF CURB AND 4" OF TOP OF CURB YELLOW WITH RETRO-REFLECTIVE GLASS BEADS.

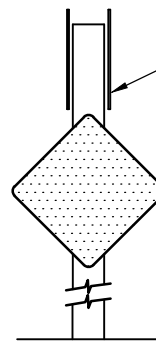
TYPICAL SECTION

NTS



NOTES:

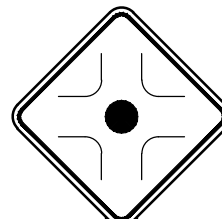
1. LANDSCAPING TO BE DETERMINED BY TRANSPORTATION/PARKS STAFF.
2. MONUMENT PROTECTION/PRESERVATION: NOTIFY CITY ENGINEER PRIOR TO MONUMENT ADJUSTMENT. RAISE MONUMENT TO GRADE IN APPROPRIATE CASING.
3. WHERE OTHER UTILITY PATCHES WILL BE IN CLOSE PROXIMITY, A FULL INTERSECTION ASPHALT REMOVAL AND OVERLAY MAY BE REQUIRED BY ENGINEER



SIGNS INSTALLED BACK TO BACK AND ANOTHER SET AT 90° ON POLE.

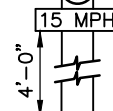
18" X 18" (OMI-3) YELLOW HIGH INTENSITY TYPE 1 OBJECT MARKER PLACED IN TRAFFIC CIRCLE FOR EACH APPROACH. ALL SIGNS TO BE MOUNTED ON SINGLE POST. LOCATION TO BE DETERMINED BY ENGINEER. SIGN HEIGHT: 5' FROM BOTTOM OF LOWER SIGN TO STREET SURFACE.

SIGN MATERIAL: 3D DIAMOND GRADE DG³



30" X 30" BLACK ON YELLOW PLACED 75' TO 100' BACK FROM TRAFFIC CIRCLE ON EACH APPROACH. SEE SD426D FOR POST TYPE AND INSTALLATION.

SIGN MATERIAL: 3M DIAMOND GRADE DG³



INSTALL W13-1P 15 MPH ADVISORY SPEED. 18"X18"

SIGNING

NTS

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: MARCH 01, 2018



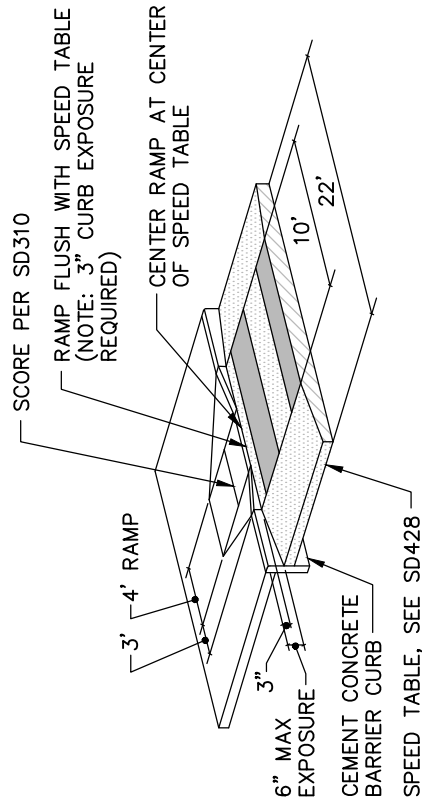
City of Redmond
WASHINGTON

STANDARD DETAILS

TRAFFIC CIRCLE DETAILS

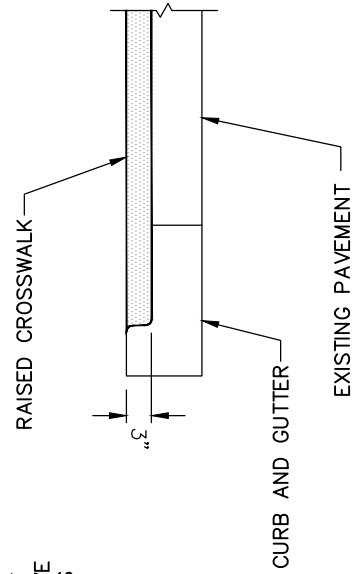
FILE NAME: SD478.DWG

DETAIL NUMBER: 478



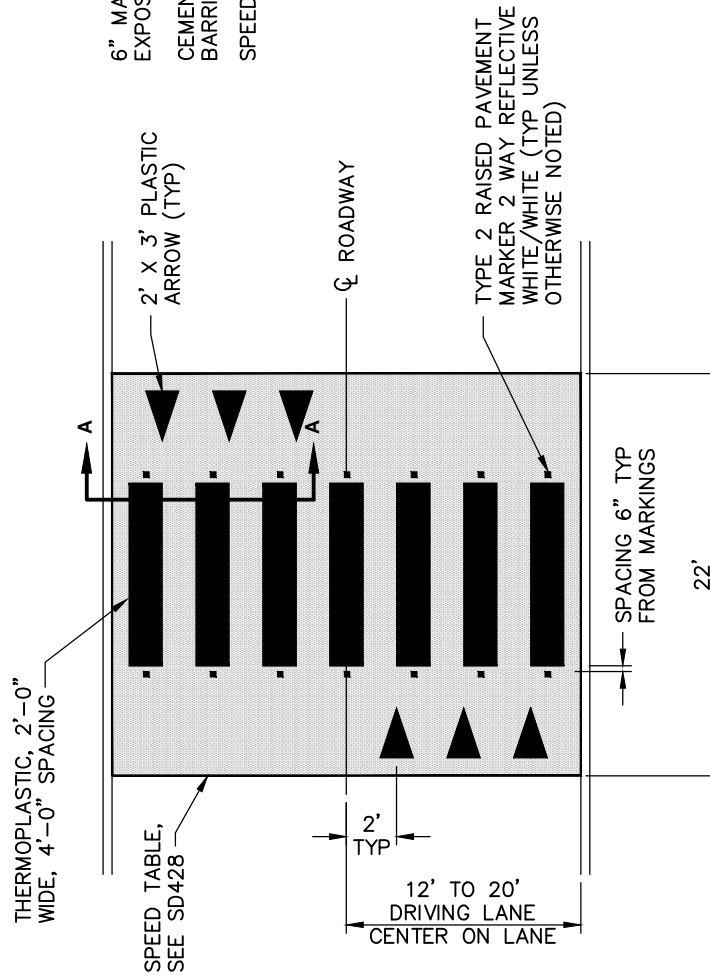
TRANSITION FROM TYPE 1 CURB RAMP TO RAISED CROSSWALK

NTS



SECTION A-A

NTS



MARKING DETAIL

NTS

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015

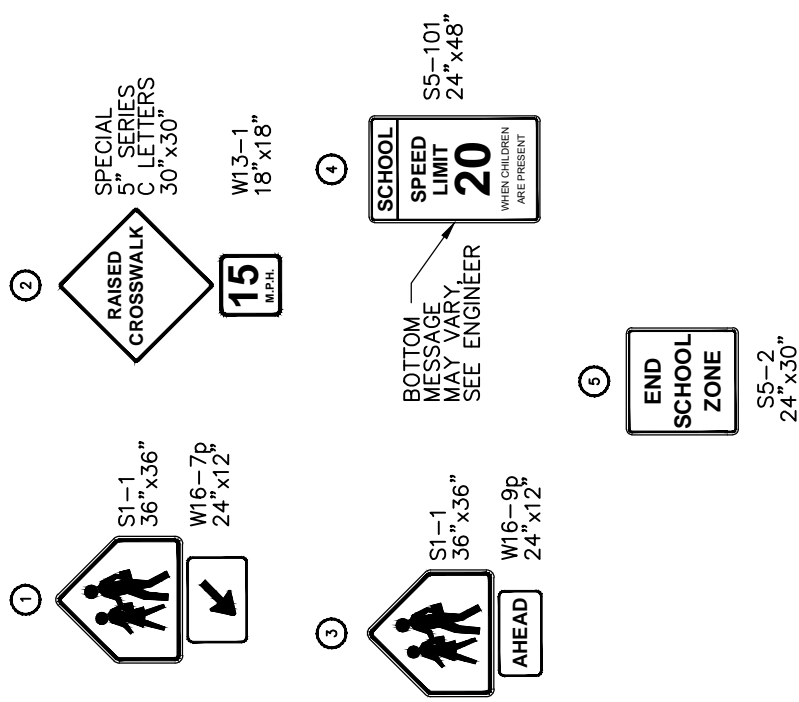


STANDARD DETAILS

RAISED CROSSWALK

FILE NAME: SD479.DWG

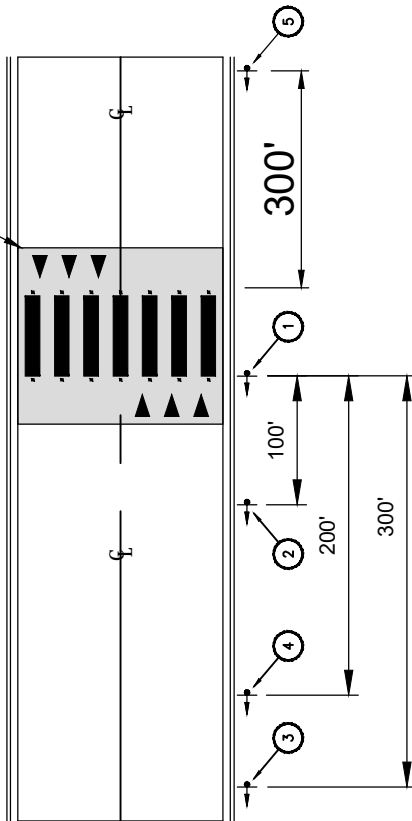
DETAIL NUMBER: 479



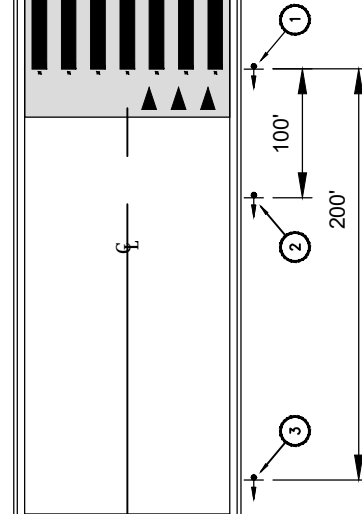
NOTES:

1. SIGNS ①, ②, ③, & THE "SCHOOL" LEGEND ON ④ TO HAVE FLUORESCENT YELLOW-GREEN BACKGROUND WITH BLACK LEGEND AND BORDER. SIGN MATERIAL: 3M DIAMOND GRADE DG.
2. DIAGONAL ARROW POINTING DOWNWARD TO CROSSWALK.
3. SIGN ①: INSTALL TWO SIGNS BACK TO BACK ON SAME POST.
4. SIGNS AND MARKINGS TYPICAL BOTH DIRECTIONS.

FOR SPEED TABLE SEE STANDARD DETAIL 427 AND 428. FOR MARKINGS SEE STANDARD DETAIL 479.



FOR SPEED TABLE SEE STANDARD DETAIL 427 AND 428. FOR MARKINGS SEE STANDARD DETAIL 479.



SIGN DETAIL
NTS

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015

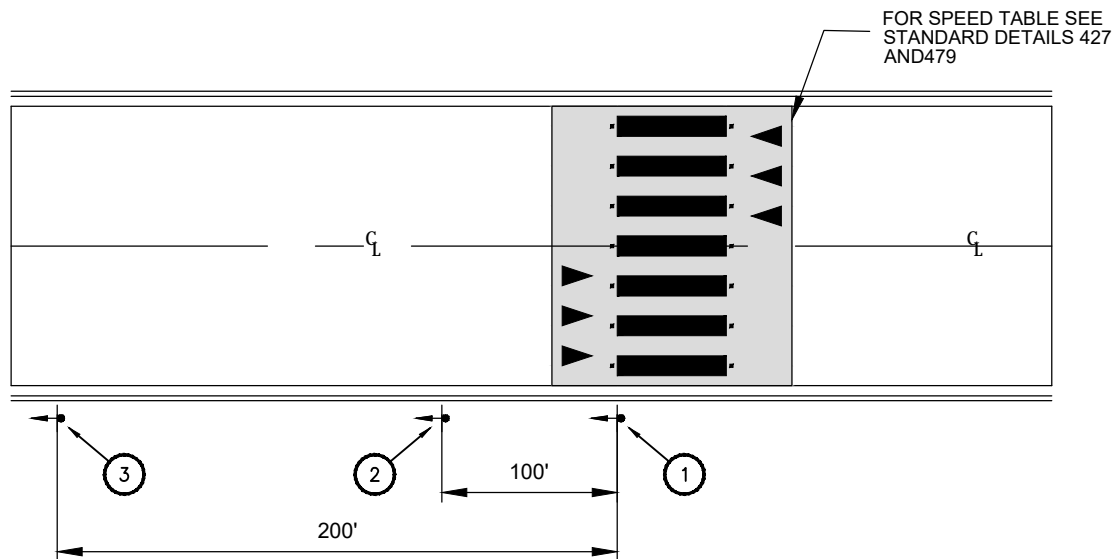


STANDARD DETAILS

RAISED SCHOOL
CROSSWALK SIGNING

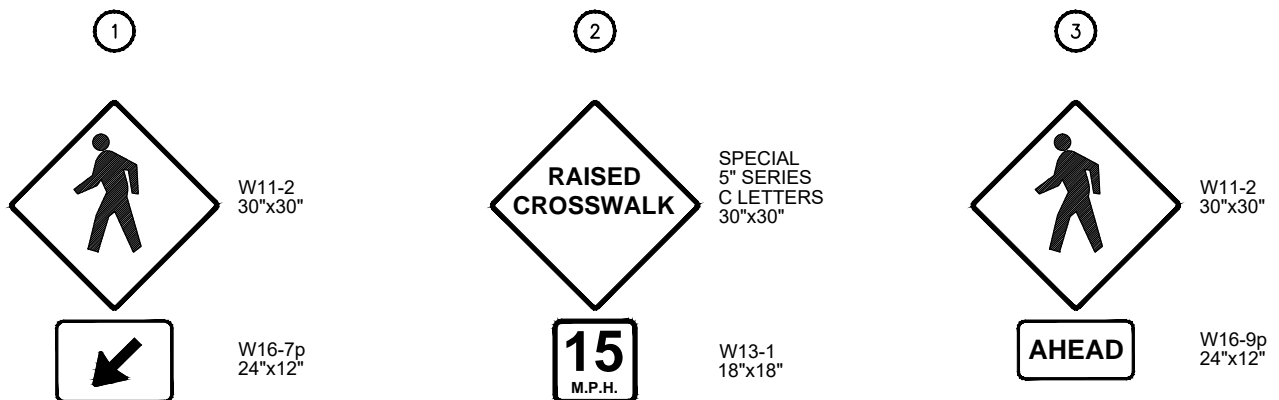
FILE NAME: SD480.DWG

DETAIL NUMBER: 480



SIGNING PLACEMENT

NTS



SIGNING DETAIL

NTS

NOTES:

1. SIGNS HAVE FLUORESCENT YELLOW GREEN BACKGROUND WITH BLACK LEGEND AND BORDER.
SIGN MATERIAL: 3M DIAMOND GRADE DG³
2. DIAGONAL ARROW POINTING DOWNWARD TOWARD CROSSWALK.
3. SIGN ①: INSTALL 2 SIGNS BACK TO BACK ON SAME POST.
4. SIGNS AND MARKINGS TYPICAL BOTH TYPICAL DIRECTIONS.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: JULY 01, 2015

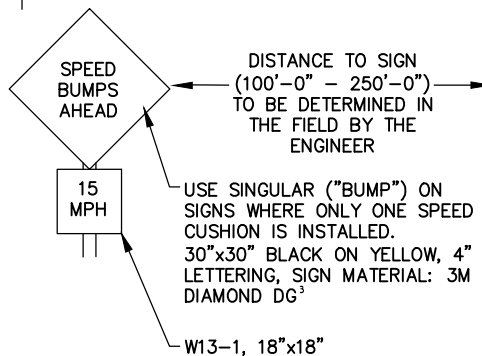
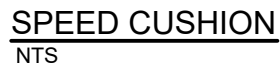


STANDARD DETAILS

RAISED CROSSWALK SIGNING

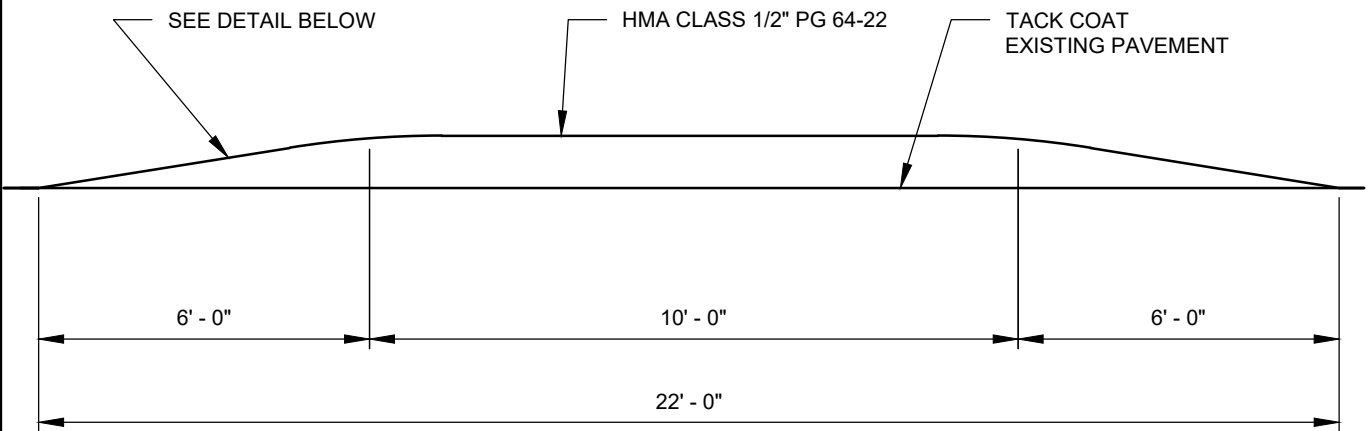
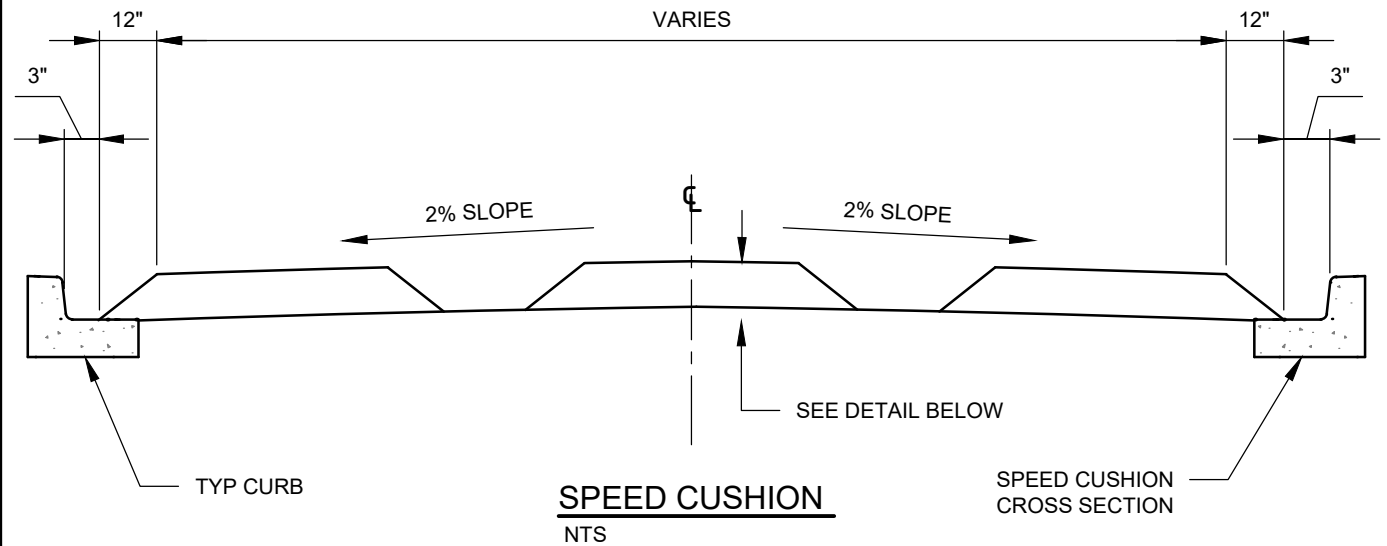
FILE NAME: SD481.DWG

DETAIL NUMBER: 481

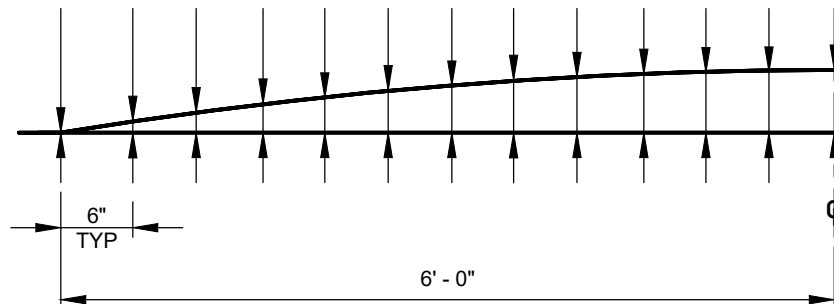


1. SIGNS & MARKINGS TYPICAL BOTH DIRECTIONS.
2. SEE "POST MOUNTED SIGN" STANDARD DRAWING 426(C) OR (D).
3. A TEMPLATE MUST BE USED IN SHAPING SPEED TABLE.
4. SPEED TABLE MUST BE MADE IN TWO LIFTS.
5. 2" OVERLAY NOT REQUIRED FOR NEW PAVEMENT OR EXISTING PAVEMENT DETERMINED TO BE IN GOOD CONDITION BY THE ENGINEER.

DETAIL NUMBER: 482



0	0.64	1.22	1.75	2.22	2.64	3.00	3.31	3.56	3.75	3.89	3.97	4.00"	4" SPEED CUSHION
0	0.56	1.07	1.53	1.94	2.31	2.63	2.89	3.11	3.28	3.40	3.48	3.50"	3.5" SPEED CUSHION
0	0.48	0.92	1.31	1.67	1.98	2.25	2.48	2.67	2.81	2.92	2.96	3.00"	3" SPEED CUSHION



Rob Crittenden

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REVISION DATE: MARCH 01, 2016



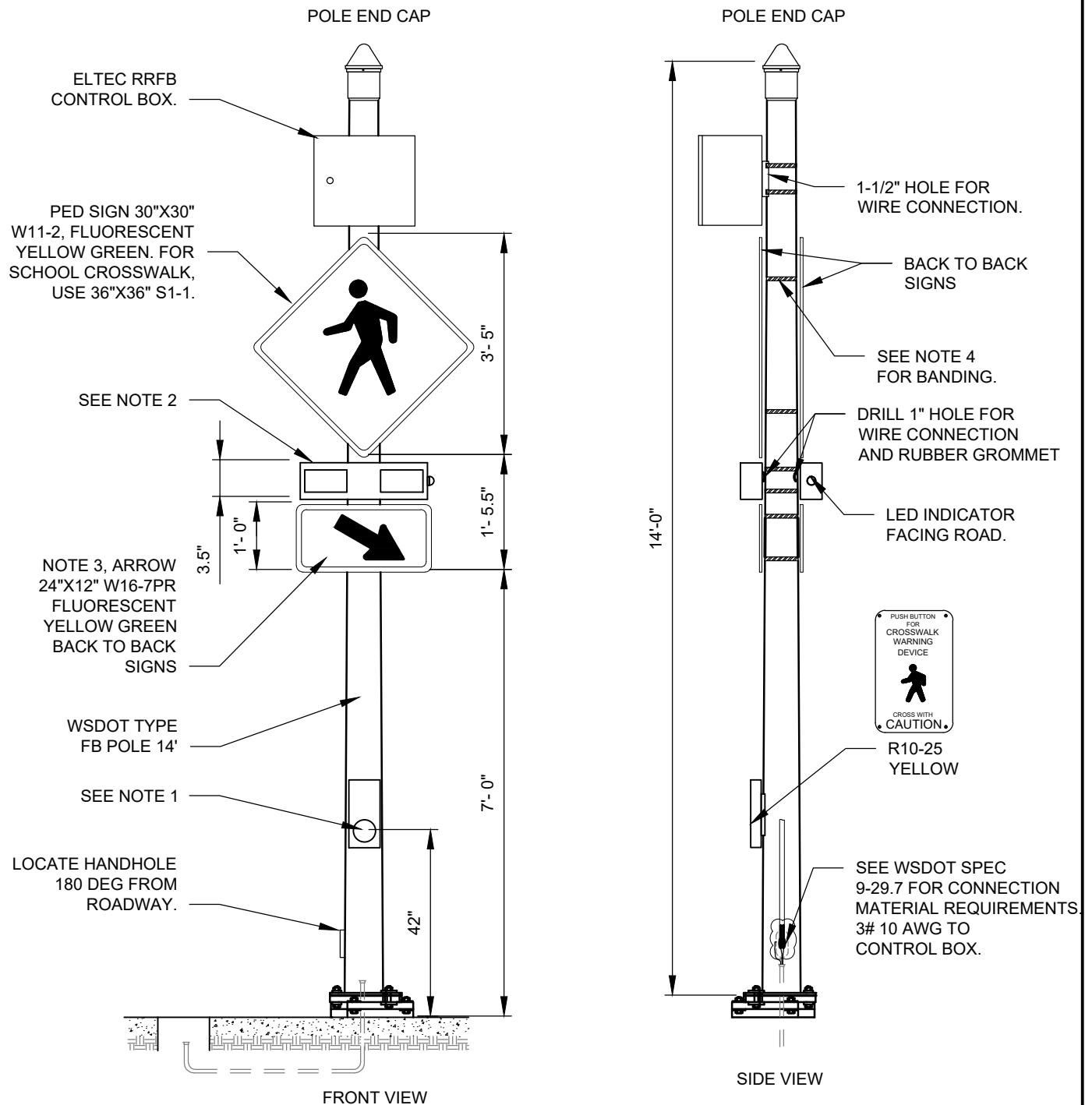
City of Redmond
WASHINGTON

STANDARD DETAILS

SPEED CUSHION
(2 OF 2)

FILE NAME: SD483.DWG

DETAIL NUMBER: 483



NOTES:

1. USE MODEL POLARA, PLAQUE, AND FRAME BDSP-014-B FOR PED PUSH BUTTON.
2. TWO W11-2 OR S1-1 CROSSING WARNING SIGNS (EACH WITH RRFB AND W16-7P PLAQUE) SHALL BE INSTALLED AT THE CROSSING, ONE ON THE RIGHT-HAND SIDE OF THE ROADWAY AND ONE ON THE LEFT-HAND SIDE OF EACH APPROACHING DRIVER. IF A MEDIAN EXISTS, THE LEFT-HAND SIDE ASSEMBLY SHOULD BE INSTALLED ON THE MEDIAN.
3. INSTALL RRFB WITH LED INDICATOR FOR PEDESTRIAN ON SIDE OF TRAVEL LANE.
4. SEE STANDARD DETAIL 417 FOR BANDING SPEC AND INSTALLATION.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: MARCH 01, 2018

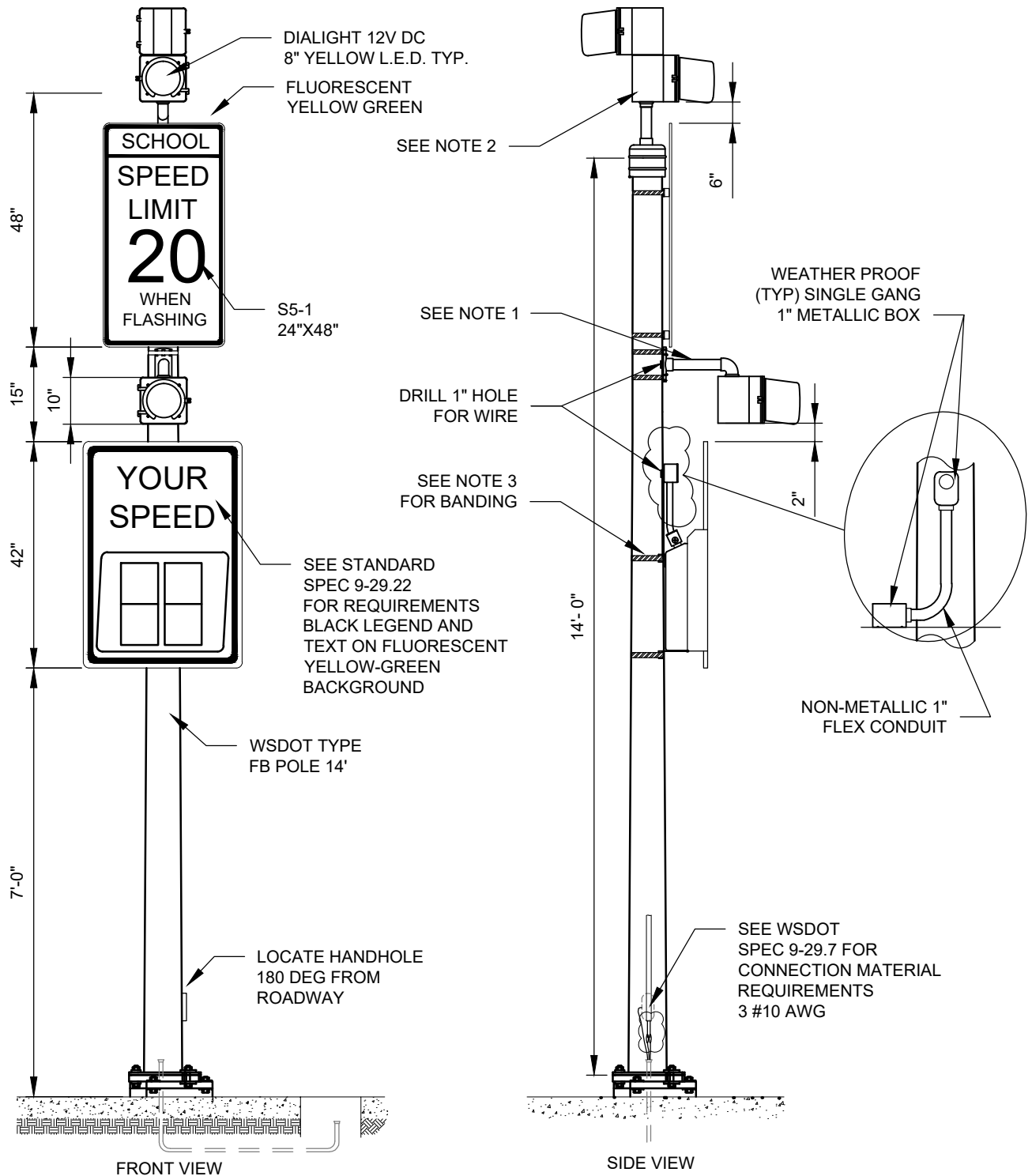


STANDARD DETAILS

RECTANGULAR RAPID
FLASHING BEACON

FILE NAME: SD484.DWG

DETAIL NUMBER: 484



NOTES:

1. SIDE POLE MOUNT, POLE PLATE WITHOUT CABLE GUIDE (M31251 GREEN), ELBOW SERRATED ONE PORT WITH LOCK NIPPLE, 10" TREADED PIPE (TOE, TOE) GREEN WITH 8" HEAD (GREEN).
2. TOP OF POLE MOUNT WITH 12" TREADED PIPE, 8" SIGNAL HEADS WITH VISORS.
3. SEE STANDARD DETAIL 417 FOR BANDING SPEC AND INSTALLATION.

Rob Crittenden

APPROVED BY: ROB CRITTENDEN
TRAFFIC OPERATIONS SAFETY AND ENGINEERING MANAGER

REVISION DATE: MARCH 01, 2018



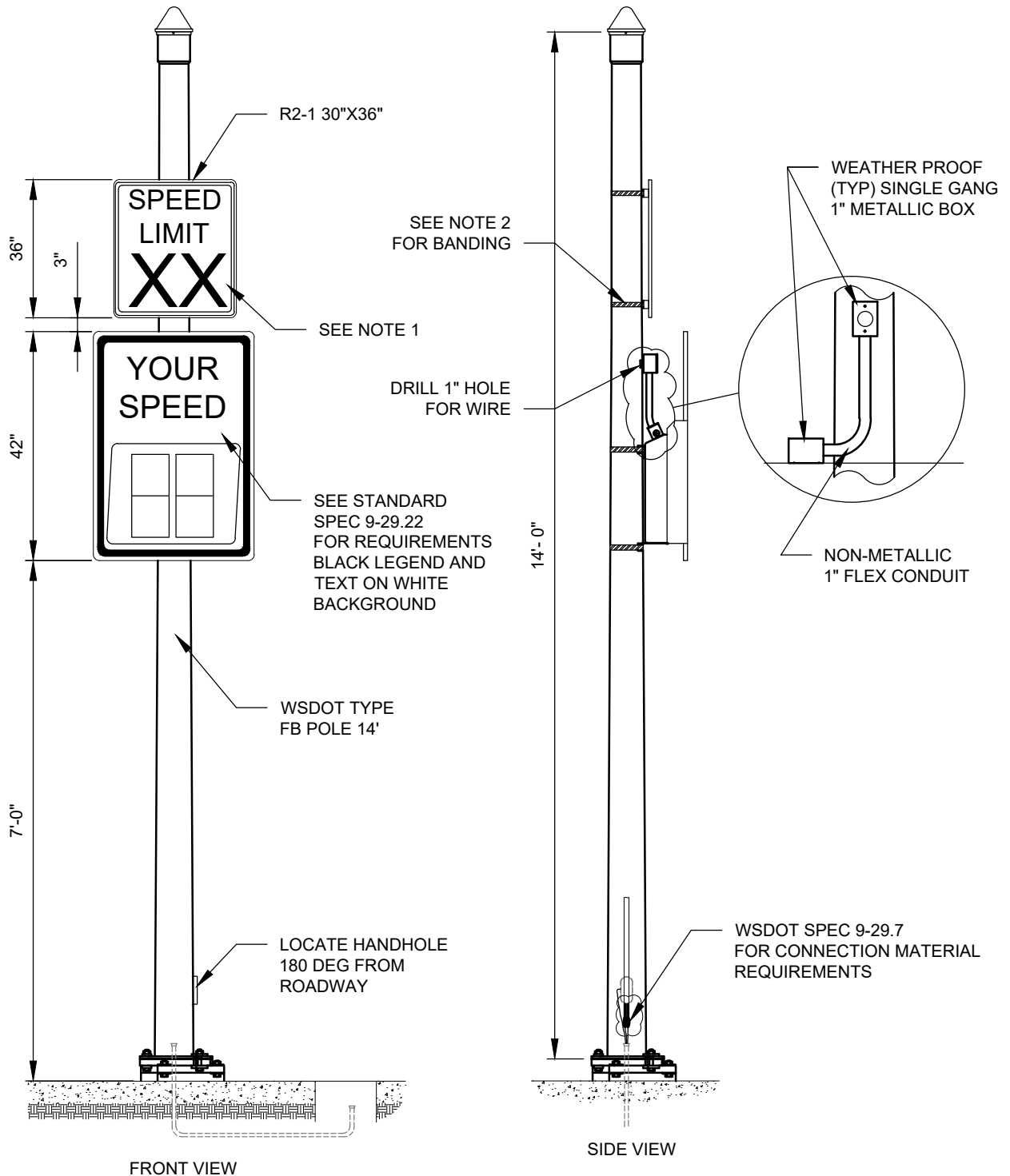
City of Redmond
WASHINGTON

STANDARD DETAILS

SCHOOL ZONE SPEED
RADAR SIGN

FILE NAME: SD485.DWG

DETAIL NUMBER: 485



NOTES:

1. ACTUAL SPEED LIMIT PROVIDED BY TRAFFIC ENGINEER.
2. SEE STANDARD DETAIL 417 FOR BANDING SPEC AND INSTALLATION

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REVISION DATE: MARCH 01, 2018



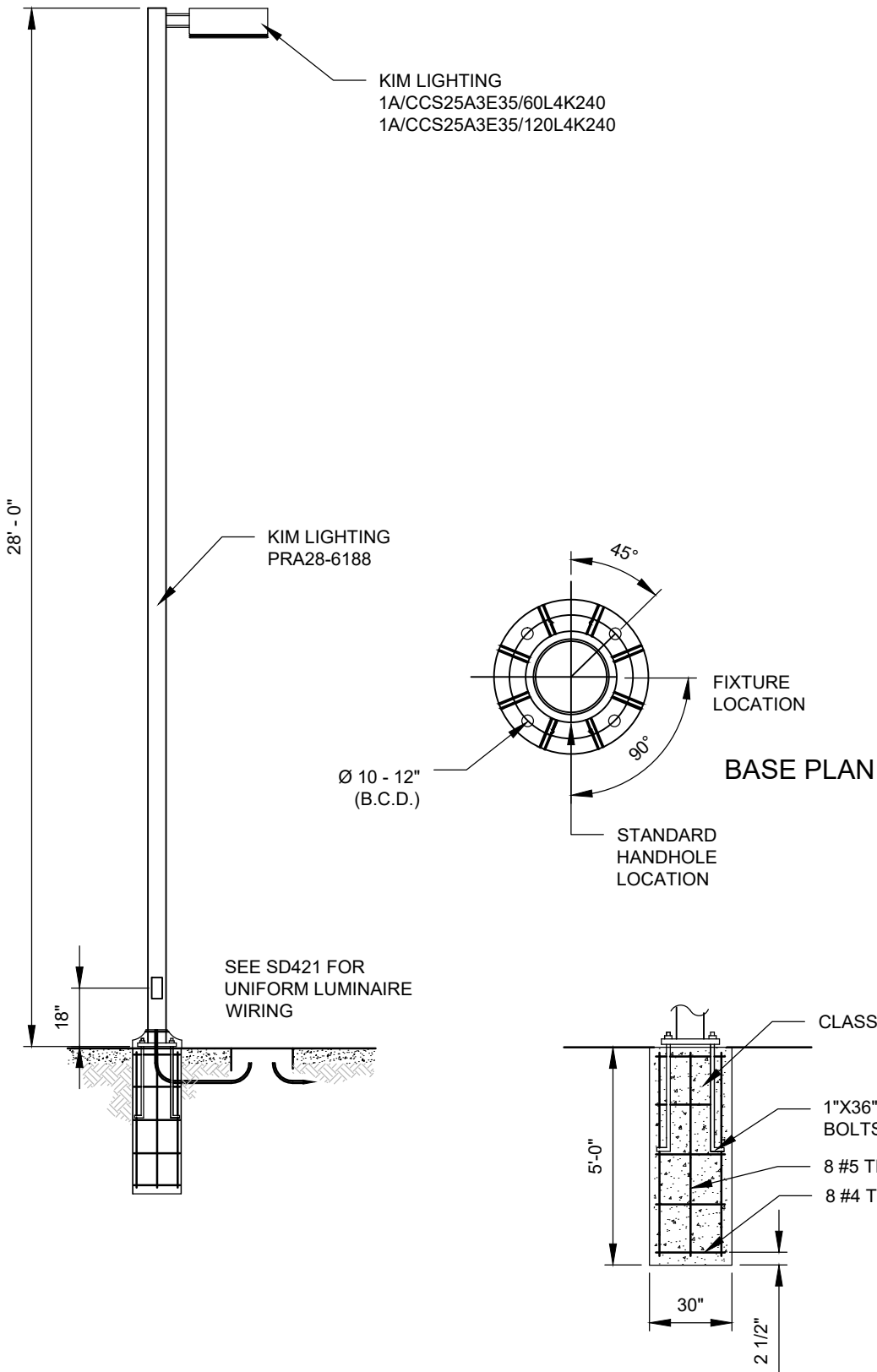
City of Redmond
WASHINGTON

STANDARD DETAILS

SPEED CHECK
RADAR SIGN

FILE NAME: SD486.DWG

DETAIL NUMBER: 486



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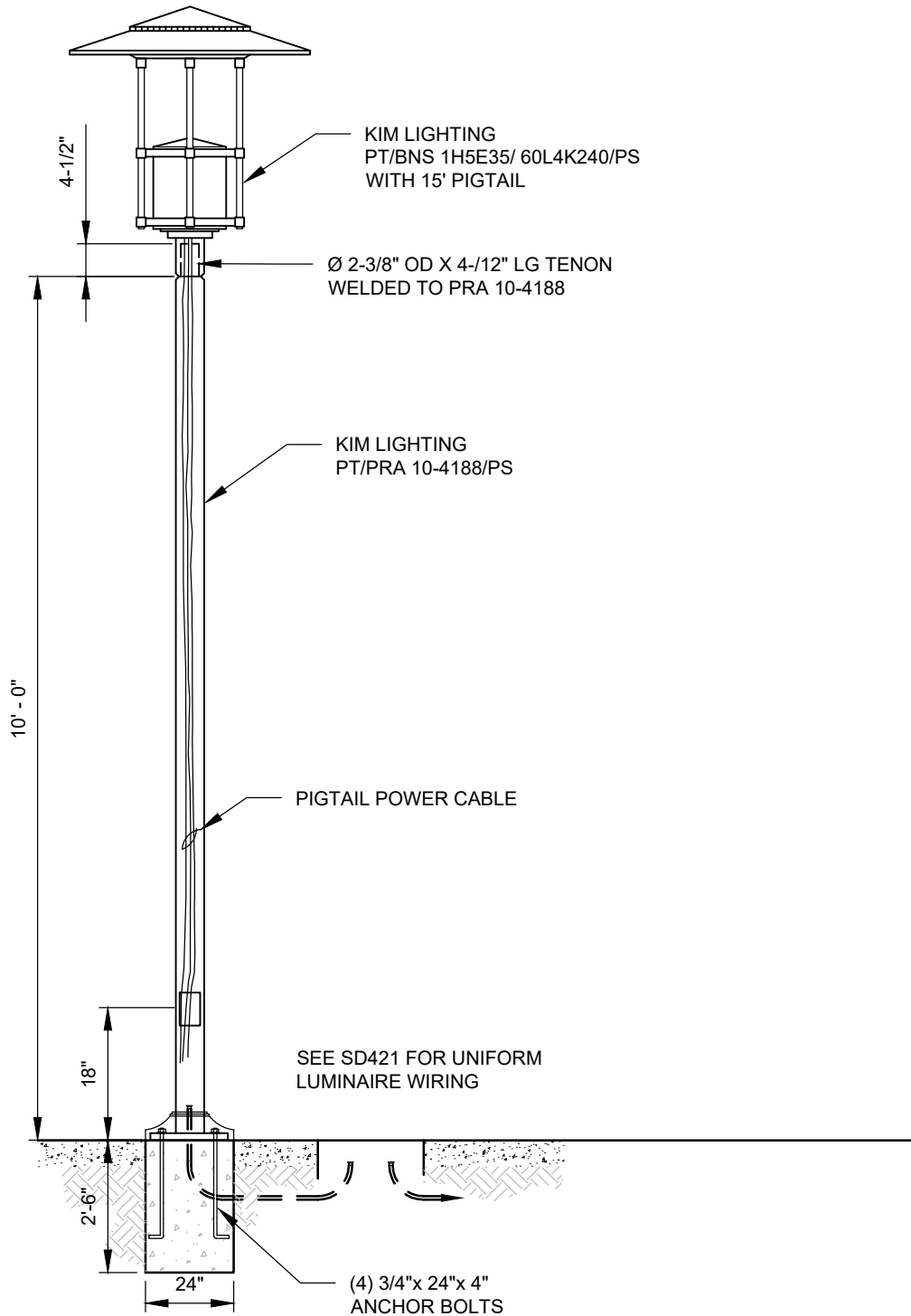
City of Redmond
WASHINGTON

STANDARD DETAILS

OVERLAKE VILLAGE
STREET LIGHT

FILE NAME: SD487.DWG

DETAIL NUMBER: 487



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REVISION DATE: MARCH 01, 2016



City of Redmond
WASHINGTON

STANDARD DETAILS

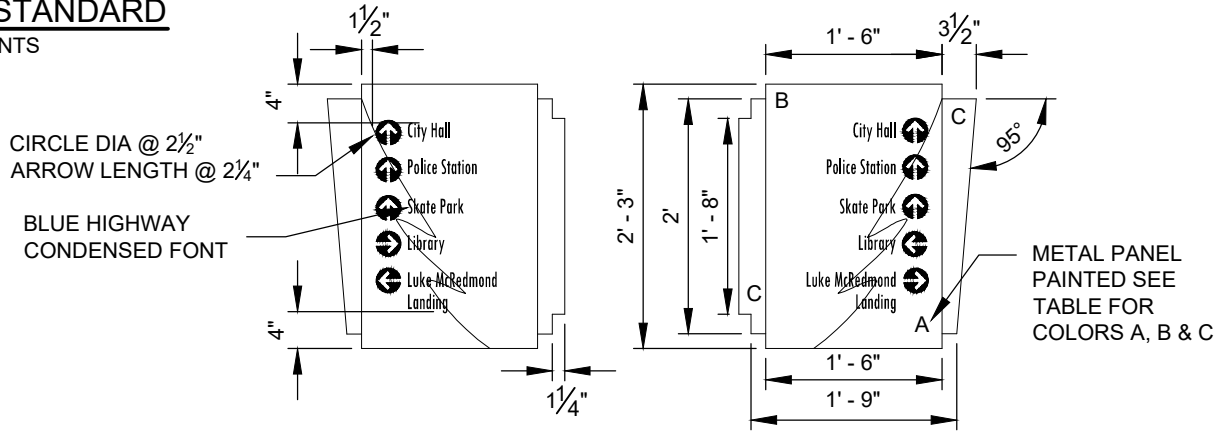
OVERLAKE VILLAGE
PED LIGHT

FILE NAME: SD488.DWG

DETAIL NUMBER: 488

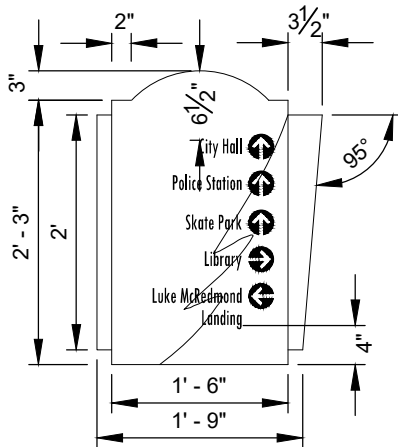
STANDARD

NTS



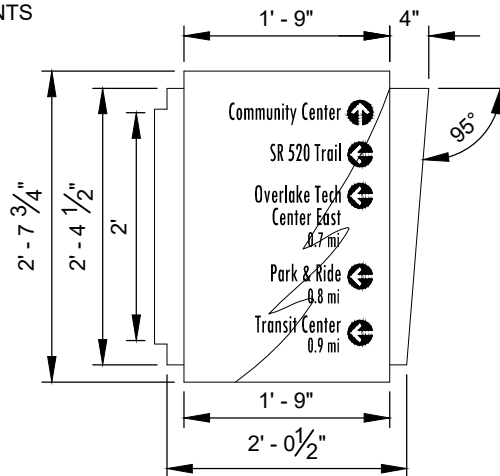
OLD TOWN OPTION

NTS



OVERLAKE OPTION

NTS



PARAMETER	STANDARD	OLD TOWN OPTION	OVERLAKE OPTION
PLATE THICKNESS	0.100	0.100	0.125
DESTINATION FONT SIZE	1 1/2"	1 1/2"	1 3/4"
MILEAGE FONT SIZE	1 1/4"	1 1/4"	1 1/2"
DESTINATION SPACING	7/16"	5/8"	3/4"
SIGN GRAPHIC COLOR A	PANTONE 370C	PANTONE 7512C	PANTONE 370C
SIGN GRAPHIC COLOR B	PANTONE 371C	PANTONE 730C	PANTONE 380C
SIGN GRAPHIC COLOR C	PANTONE 728C	PANTONE 7503C	PANTONE 728C

NOTES:

1. ALUMINUM SIGN PLATE, THREE COLORS PER WAYFINDING SIGN TYPE, DOUBLE-SIDED. LOGO BACKGROUND DESIGN PROVIDED BY CITY. SEE TABLE FOR SIGN PLATE THICKNESS AND COLOR BACKGROUND GRAPHIC DETAIL OR APPROVED EQUAL.
2. LETTER GRAPHICS SHALL BE BLUE HIGHWAY CONDENSED FONT WITH WHITE NON-REFLECTIVE BACK VINYL FILM, 7-YEAR A7 ENGINEERING GRADE REFLECTIVITY BY AVERY GRAPHICS OR APPROVED EQUAL. SEE TABLE FOR FONT SIZE AND DESTINATION SPACING. ACTUAL DESTINATION TEXT PROVIDED BY TRAFFIC ENGINEER.
3. POST AND MOUNTING PER DETAIL 490 OR 491 BASED ON WAYFINDING SIGN TYPE.

Donald Cairns

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TRANSPORTATION PLANNING AND ENGINEERING MANAGER

REVISION DATE: MARCH 01, 2017



STANDARD DETAILS

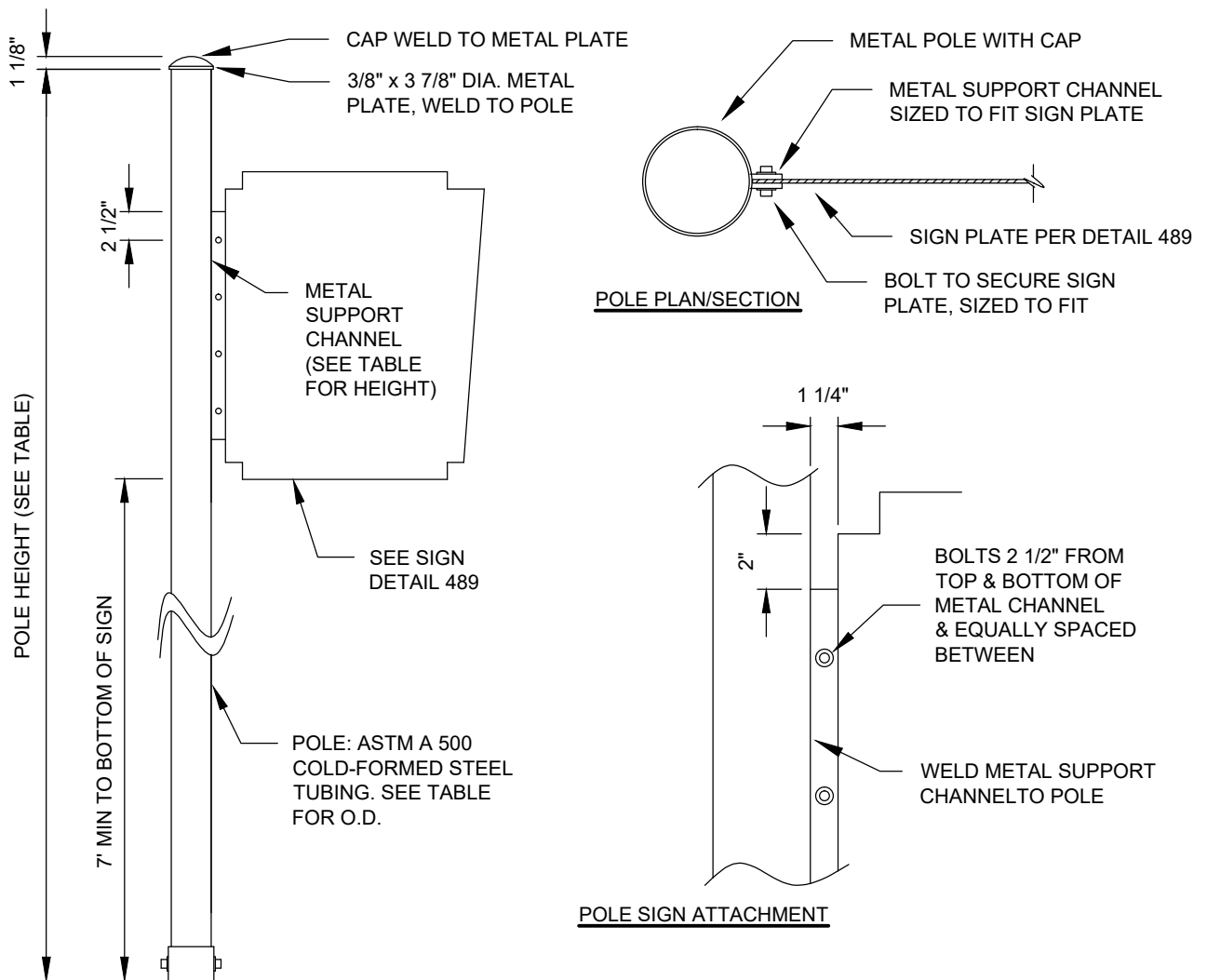
PEDESTRIAN WAYFINDING
SIGN DETAIL

FILE NAME: SD489.DWG

DETAIL NUMBER: 489

STANDARD AND OVERLAKE POLE ASSEMBLY AND DETAILS

NTS



POLE ELEVATION

PARAMETER	STANDARD	OVERLAKE OPTION
POLE HEIGHT	10'	11'
POLE OUTER DIAMETER	3 1/2"	4"
SUPPORT CHANNEL HEIGHT	1'-8"	2'

NOTES:

1. POLE ASSEMBLY AND DETAIL PARAMETERS SHALL MATCH SIGN TYPE. SIGN PER DETAIL 489.
2. PAINT FINISH OF PANTONE 432C (OR APPROVED EQUAL) FOR POLE, METAL SUPPORT CHANNEL, CAP AND FINIAL SHALL MATCH.
3. STEEL PLATES, SHAPES AND BARS: ASTM A 36/A36N. STAINLESS STEEL BARS AND SHAPES: ASTM A 276, TYPE 304. FASTENERS: TYPE 316 STAINLESS STEEL, ZINC-PLATED FASTENERS COMPLIANT WITH ASTM B 633, CLASS FE/ZN 5.
4. FOUNDATION PER DETAIL 426C OR 426D.

Donald Cairns

APPROVED BY: DONALD CAIRNS
TRANSPORTATION PLANNING AND ENGINEERING MANAGER

REVISION DATE: MARCH 01, 2017



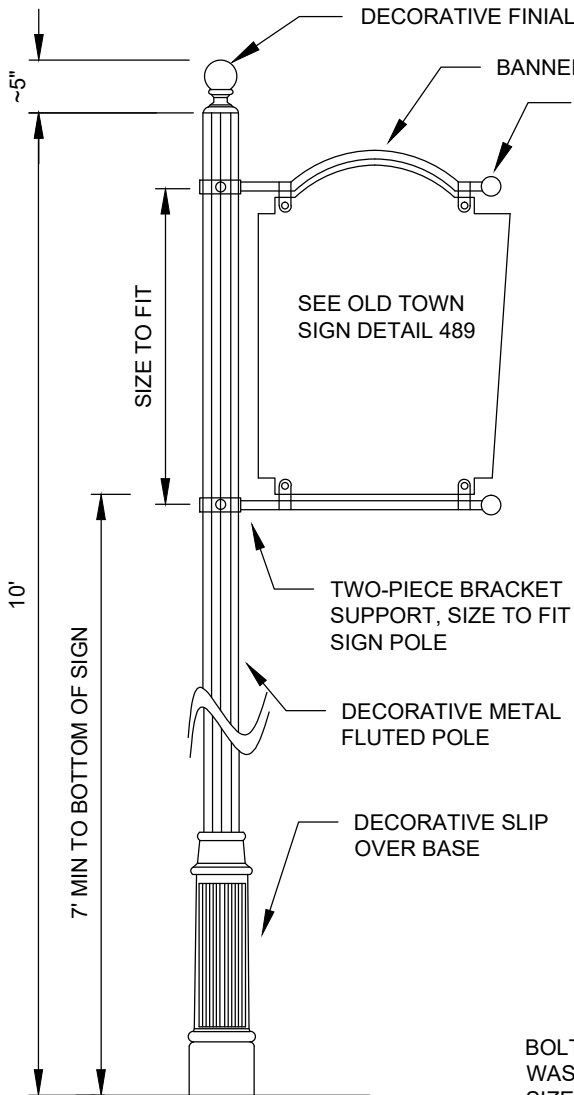
STANDARD DETAILS

STANDARD AND OVERLAKE
WAYFINDING SIGN POLE DETAILS

FILE NAME: SD490.DWG DETAIL NUMBER: 490

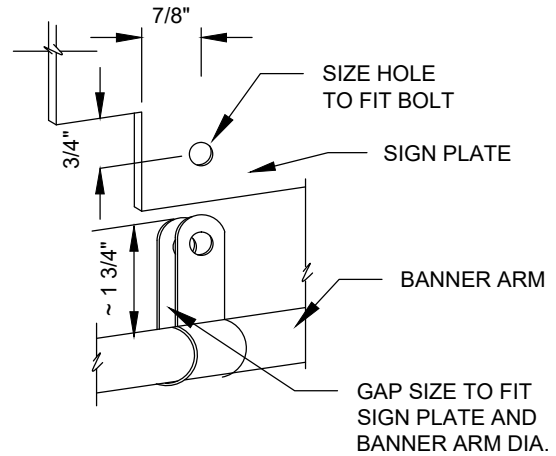
OLD TOWN POLE ASSEMBLY AND DETAILS

NTS

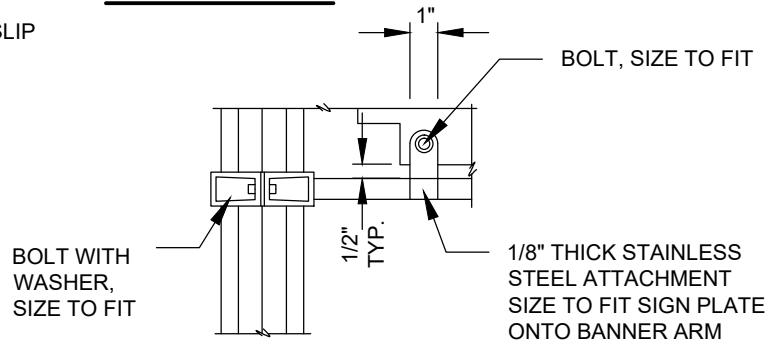


POLE ELEVATION

BOLT AND SIGN ATTACHMENT DETAIL



TWO-PIECE BRACKET AND SIGN ATTACHMENT DETAIL



NOTES:

- METAL POLE: MODEL #SP3x10, 10' TALL, 3" DIA. FLUTED, STRAIGHT POLE, DECORATIVE SLIP OVER BASE: MODEL #SB-33, FOR 3" OD POLE, 24" TALL BY 7" WIDE, AND FINIAL CAP: MODEL #FIN-B3 BY BRANDON INDUSTRIES, (972) 542-3000, OR APPROVED EQUAL.
- BANNER ARM WITH FINIAL: MODEL #BR23AP BY CYCLONE LIGHTING INC., DISTRIBUTED BY NORTHWEST LIGHTING (206) 298-9000 OR APPROVED EQUAL. BRACKET SIZED TO FIT 3" OD POLE.
- PAINT FINISH OF PANTONE 432C (OR APPROVED EQUAL) FOR POLE, METAL SUPPORT CHANNEL, CAP AND FINIAL SHALL MATCH.
- STEEL PLATES, SHAPES AND BARS: ASTM A 36/A36N. STAINLESS STEEL BARS AND SHAPES: ASTM A 276, TYPE 304. FASTENERS: TYPE 316 STAINLESS STEEL, ZINC-PLATED FASTENERS COMPLIANT WITH ASTM B 633, CLASS FE/ZN 5.
- FOUNDATION PER DETAIL 426C OR 426D.

Donald Cairns
APPROVED BY: DONALD CAIRNS
TRANSPORTATION PLANNING AND ENGINEERING MANAGER

REVISION DATE: MARCH 01, 2017

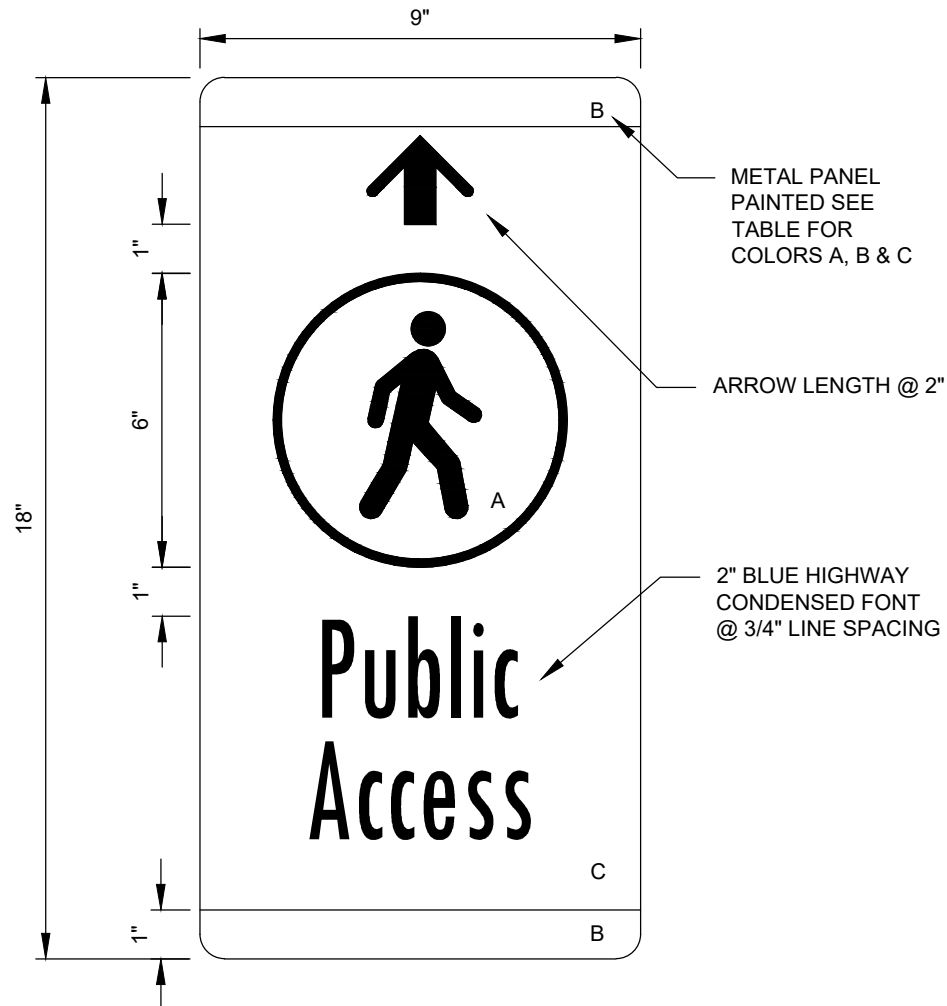


STANDARD DETAILS

OLD TOWN WAYFINDING SIGN
POLE DETAILS

FILE NAME: SD491.DWG

DETAIL NUMBER: 491



SIGN DETAIL

NTS

COLOR A	COLOR B	COLOR C
PANTONE 7495C	PANTONE 315C	PANTONE 3035C

NOTES:

1. LETTER GRAPHICS SHALL BE 2" BLUE HIGHWAY CONDENSED FONT WITH WHITE NON-REFLECTIVE BACK VINYL FILM, 7-YEAR A7 ENGINEERING GRADE REFLECTIVITY BY AVERY GRAPHICS OR APPROVED EQUAL. LINE SPACING SHALL BE 3/4". ARROW LENGTH SHALL BE 2" AND ORIENTED TOWARD DESIGNATION.
2. SIGN CORNERS SHALL BE ROUNDED.
3. SIGN MATERIAL SHALL BE 0.080 THICK STOCK ALUMINUM SIGN PLATE WITH THREE COLORS , DOUBLE-SIDED. SEE TABLE FOR COLOR DETAIL.
4. POST AND MOUNTING HEIGHT PER DETAIL 426C OR 426D.

Donald Cairns

APPROVED BY: DONALD CAIRNS
TRANSPORTATION PLANNING AND ENGINEERING MANAGER

REVISION DATE: MARCH 01, 2018



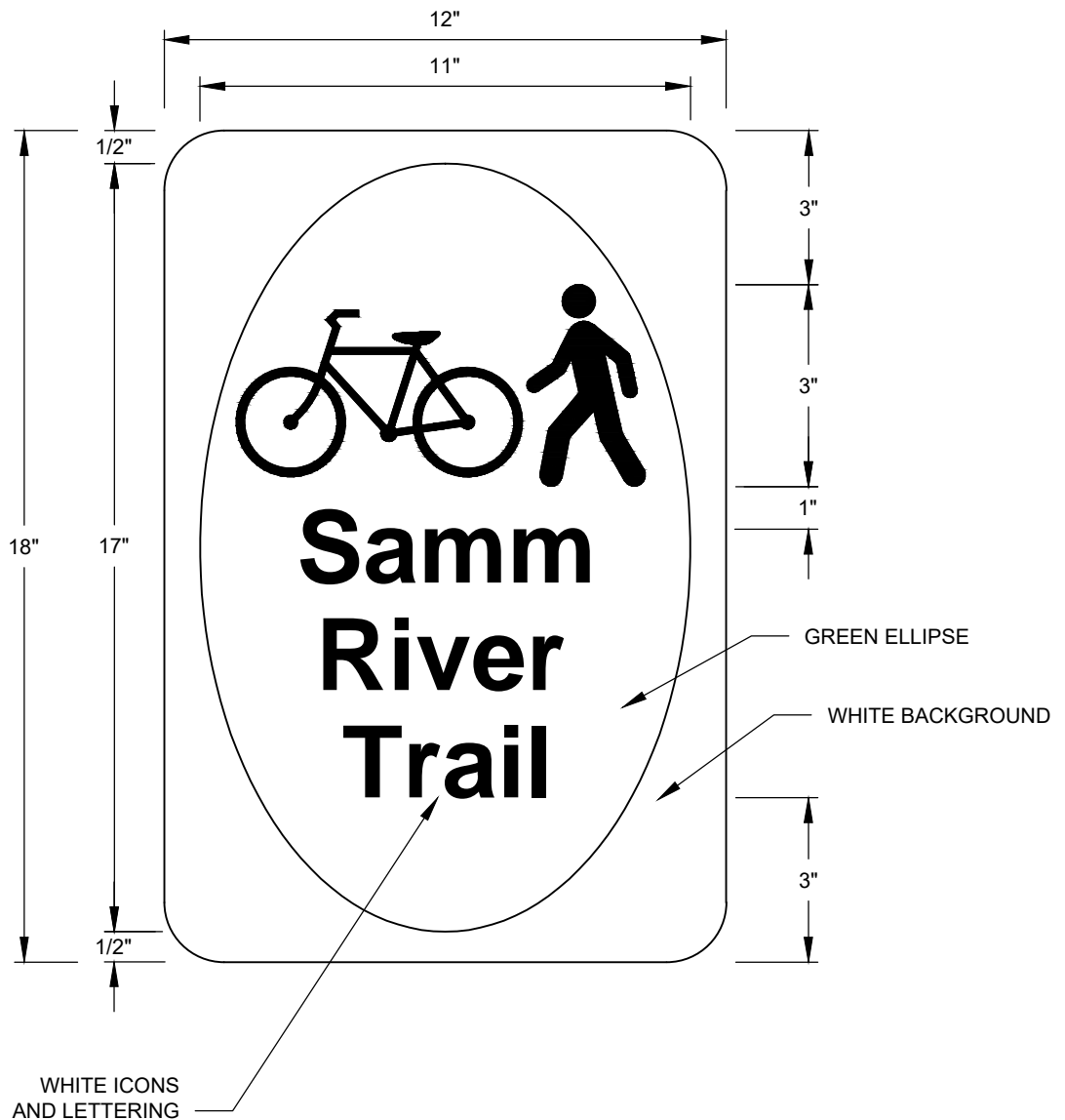
City of Redmond
WASHINGTON

STANDARD DETAILS

PUBLIC ACCESS
SIGN DETAIL

FILE NAME: SD492.DWG

DETAIL NUMBER: 492



SIGN DETAIL

NTS

NOTES:

1. LETTER GRAPHICS SHALL BE HIGHWAY B SERIES FONT OF 2" HEIGHT WITH LINE SPACING OF 1". ACTUAL TEXT PROVIDED BY CITY ENGINEER.
2. SIGN CORNERS SHALL BE ROUNDED.
3. SIGN MATERIAL SHALL BE 0.080 THICK STOCK ALUMINUM SIGN PLATE WITH WHITE SIGN LETTERS ON GREEN ELLIPSE ON WHITE BACKGROUND PER MUTCD COLOR SPECIFICATIONS. ALL SIGN SHEETING SHALL BE RETROREFLECTIVE 3M DIAMOND GRADE DG3 OR EQUIVALENT.
4. POST AND MOUNTING HEIGHT PER DETAIL 426C OR 426D.

Donald Cairns

APPROVED BY: DONALD CAIRNS
TRANSPORTATION PLANNING AND ENGINEERING MANAGER

REVISION DATE: MARCH 01, 2018

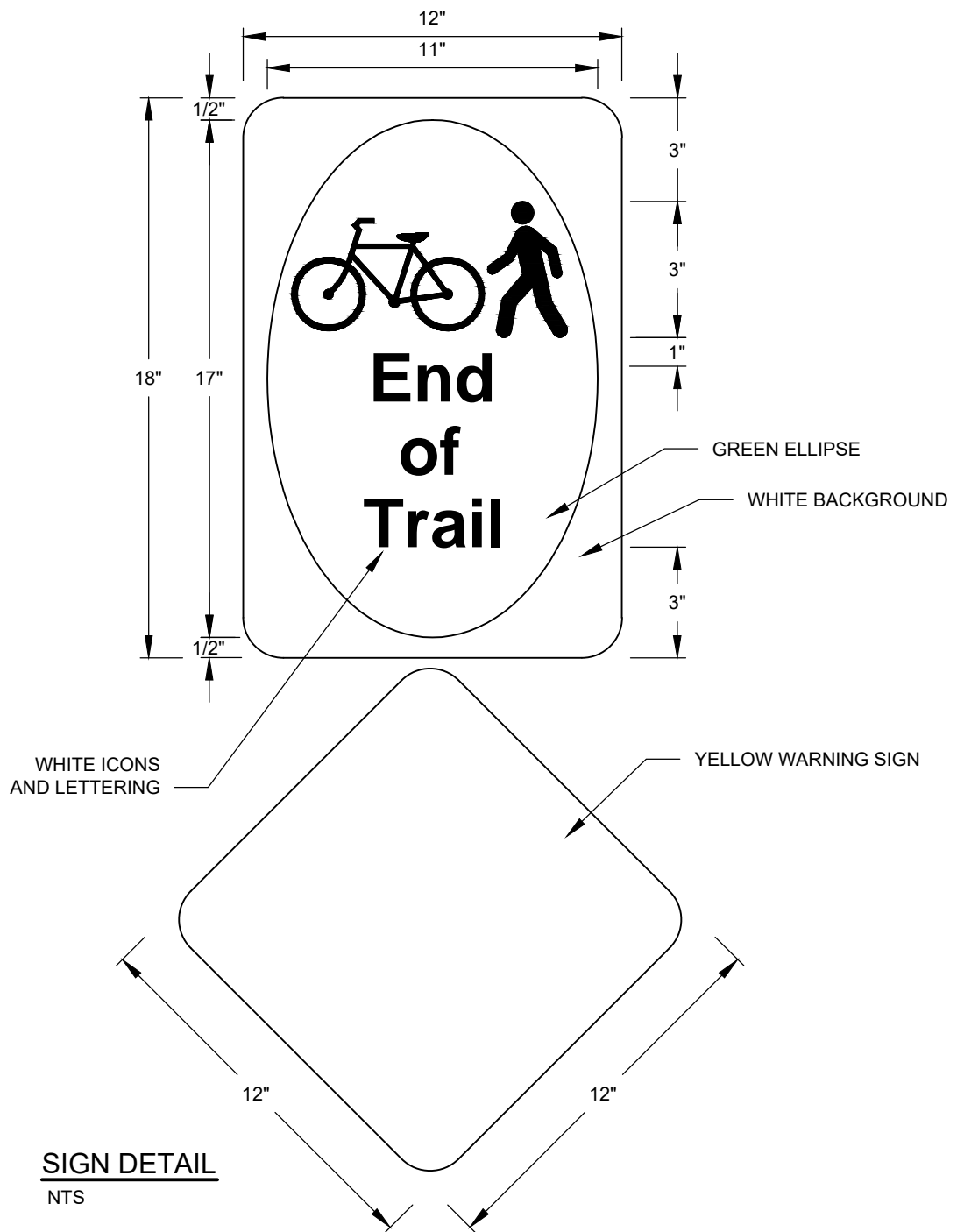


STANDARD DETAILS

SHARED USE PATH
WAYFINDING SIGN

FILE NAME: SD493.DWG

DETAIL NUMBER: 493



NOTES:

1. LETTER GRAPHICS SHALL BE HIGHWAY B SERIES FONT OF 2" HEIGHT WITH LINE SPACING OF 1".
2. SIGN CORNERS SHALL BE ROUNDED.
3. SIGN MATERIAL SHALL BE 0.080 THICK STOCK ALUMINUM SIGN PLATES. COLORS PER MUTCD COLOR SPECIFICATIONS. ALL SIGN SHEETING SHALL BE RETROREFLECTIVE 3M DIAMOND GRADE DG3 OR EQUIVALENT.
4. POST AND MOUNTING HEIGHT PER DETAIL 426C OR 426D.

Donald Cairns

APPROVED BY: DONALD CAIRNS
TRANSPORTATION PLANNING AND ENGINEERING MANAGER

REVISION DATE: MARCH 01, 2018



STANDARD DETAILS

END OF TRAIL SIGN

FILE NAME: SD494.DWG

DETAIL NUMBER: 494



OPTIONAL PLACARD FOR THE FOLLOWING:

"THIS SIDE OF STREET"
 "BETWEEN SIGNS"
 "NORTH OF HERE"
 "BOTH SIDES OF STREET"

NOTES:

1. POST INSTALLED PER DETAIL 425C (OR 426D).
2. PLACARD OPTIONS DETERMINED BY THE CITY TRAFFIC ENGINEER OR FIRE CODE OFFICIAL.
3. RED LETTERS ON WHITE BACKGROUND.
4. SIGN MATERIAL: 3M DIAMOND GRADE DG³.

Todd Short

APPROVED BY: TODD SHORT
 ASSISTANT FIRE MARSHAL

REVISION DATE: JULY 01, 2014



City of Redmond
 WASHINGTON

STANDARD DETAILS

FIRE LANE SIGN

FILE NAME: SD499.DWG

DETAIL NUMBER: **499**